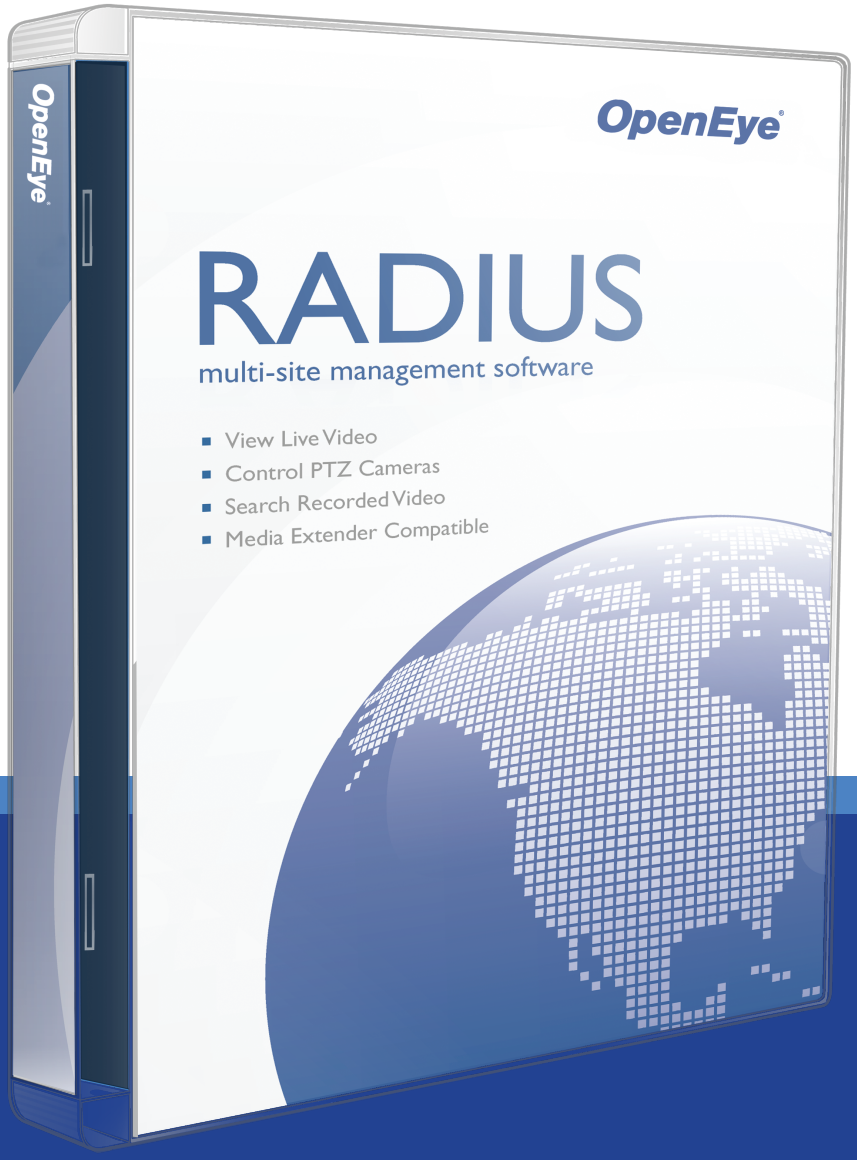
OpenEye®

Multi-Site Management Software

Version 5 Software Manual



RADIUS

SW-RADIUS

www.openeye.net

OpenEye® RADIUS
Version 5 - User Manual

Manual Edition 31881AD – JUNE 2014

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The following words and symbols mark special messages throughout this guide:

Note Text set off in this manner indicates information that is necessary for proper operation of the product.

Tip Text set off in this manner indicates information that may be helpful.

Caution Text set off in this manner indicates that failure to follow directions could result in damage to equipment or loss of information.

OPENEYE
Liberty Lake, WA ● U.S.A.

TABLE OF CONTENTS

INTRODUCTION **6**
- Product Description 6
- PC Requirements 6
  - Minimum Requirements 6
  - Recommended Requirements 6
- Installing RADIUS Software 7
- Running the RADIUS Software 7
  - Logging in 7
- Register RADIUS 8
  - Register Online 8
  - Register by Phone 8

RADIUS BASICS **9**
- Connecting to a Recorder 9
  - Viewing Video 9
  - Moving Cameras 9
  - Remove a Camera 9
- Main Display Screen 10
- Connection List 10
- Shortcut Lists 11
  - DVR Options 12
  - Camera Options 12
- Live Display 13
  - Live Camera Options 14
  - Live Camera Tools 15
  - Mouse Action Options 15
    - Using Digital Zoom to Create Hot Spots 15
- Custom Screens 16
  - Creating Custom Screens 16
  - Editing Custom Screens 16
  - Create Screen Sequences 17
  - Using Screen Sequences 17
- Using Multiple Windows 18
  - Multiple Monitor Support 18
  - Using Multiple Monitors 18

SETUP **19**
- General Setup 19
  - Locking Functions 20
- Live Setup 21
- DVR List Setup 22
  - Adding a New Recorder 22
  - Editing a Recorder 22
  - Name Sensors and Relays 23
- Health Check Setup 24

Set Up Health Check Options 24
Actions 24
Servers 25
Alarm Monitor Setup 26
Set Up Alarm Monitor Options 26
Add Items to Alarm Confirm List 27
Data Setup 28
Admin Setup 29
Data Manager 30
Configuring Import / Export 30
Set Schedule to Discard Alarms 31
Creating a Schedule to Discard Normal Alarms 31
Scheduling Log Cleanup 31
User Management 32
Creating Users 32
Editing Users 33
E-Mail Alert Setup 33
General E-mail Setup 33
Users E-mail Setup 33
Creating a User 33
Activating a User 33
Editing a User 34
Deleting a User 34
Normal Alarm E-mail Setup 34
Emergency Alarm E-mail Setup 34
Health Check Alarm E-mail Setup 35

MAPS 36
Map Overview 36
Adding a Map File 37
Adding An HTML Map 37
Opening a Map 37
Closing a Map 37
Creating Map Levels 37
Placing Markers on a Map 38
Attaching Cameras/Sensors 38
Attaching Map Links 38
Changing Alarm Colors 39
Adding a Map Alarm Sound 39
Viewing Video on Alarm 39

VIDEO BACKUP 40
Network Backup 40
Professional Recorders (X, Xr, H, N-Series) 40
Backing up All Cameras 40
Commercial Recorders (E-Series) 41
Regular Backup 41
Scheduled Backup 41
Clip Backup 42

Backing up Selected Cameras 42

SEARCH 43
Search Overview 43
Performing a Basic Search 43
Bookmarks 44
Search Bookmarks 44
Modify Bookmarks 44
Save to JPG or AVI 45
Printing an Image 45
Preview Search 46
Performing a Preview Search 46
Index Search 47
Performing an Index Search 47
Status Search 48
Performing a Status Search 48
Data Search 48
Multiple Search 49
Performing a Multiple Recorder Search 49

LOG FILES 50
RADIUS System Log 50
View the RADIUS Log 50

ALARM MONITOR 51
Alarm Monitor Overview 51
Assign Status Settings 51
Configuring the Alarm Monitor 52
Configure your Recorder 52
Filter Alarm Events 53
View and Export Alarm Reports 53
View Recorded Alarm Video 54
Export Video 54

HEALTH CHECK 55
Health Check Overview 55
Health Check Status Icons 55
View Health Information 56
View and Export Recorder Health Reports 56

DATA FEATURES 57
Data Options 57
Add Data Search Keywords 57
Add Data Alert Text 57
Data Search 58
Search POS Data 58
Filter Data Search Results 58

INTRODUCTION

PRODUCT DESCRIPTION

RADIUS software is Network DVR Management Software, a powerful utility that allows you to control 100 or more recorders using one computer. This software allows you to view live video, search saved video, edit and configure setup on each recorder, and import maps of buildings and other locations.

RADIUS software is specifically designed as an Enterprise software solution.

PC REQUIREMENTS

These are the hardware requirements to operate RADIUS Software.

Minimum Requirements

- Intel Core 2 Duo 2.8 Ghz (or equivalent)
- 2 GB System Memory
- DirectX 9 or Higher
- 256 MB+ Nvidia or ATI Video Card
- 256k Network Connection
- TCP/IP Installed
- Microsoft Windows® 8, 7, Vista, or XP
- 1280 × 1024 Optimal Display Resolution
- 32 Bit Color Depth

Recommended Requirements

Note Minimum requirements for H.264 solutions and highly recommended for MegaPixel image rendering.

- Intel Quad Core i7 (or equivalent)[1]
- 4 GB System Memory
- DirectX 9 or Higher
- ATI 5750 Video Card (or equivalent)[2]
- 512k Network Connection[3]
- TCP/IP Installed
- Microsoft Windows® 8, 7, Vista, or XP[4]
- 1280 × 1024 Optimal Display Resolution
- 32 Bit Color Depth

[1] FireMV. NVS and CAD cards are not supported. Dual video cards required for four monitor output. SLI/Crossfire not supported.
[2] Gigabit network highly recommended for LAN environments and configurations running multiple megapixel cameras.
[3] No support for server operating systems.

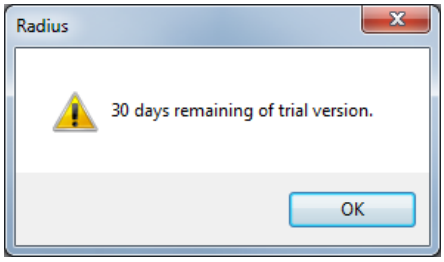
INSTALLING RADIUS SOFTWARE

Caution RADIUS and Emergency Agent are not compatible to run on the same PC. If you have Emergency Agent installed on your PC, you must uninstall it before installing RADIUS. RADIUS will perform the same alarm notification as Emergency Agent.

1. Locate the RADIUS CD-ROM and make sure that the PC is turned on.
2. Insert the RADIUS CD-ROM into the CD drive.
3. If the CD Drive is set to auto run, wait for the Radius Setup screen to appear. Once it appears, go directly to Step 4.
   a) If the Setup program does not automatically start, or to manually start the setup process:
   b) Click **Start > My Computer** – or – double-click the **My Computer** icon on your desktop.
   c) Locate the CD drive and double-click on it to display contents of the CD-ROM, and then double-click on the RADIUS directory to display contents of the directory.
   d) Double-click **Setup.exe** – or – click **Setup.exe** then click **Open**.
4. Follow the on-screen instructions for installing the software.
5. The Setup process will notify you when RADIUS is installed. Click **Finish** to complete Setup and start RADIUS.

RUNNING THE RADIUS SOFTWARE

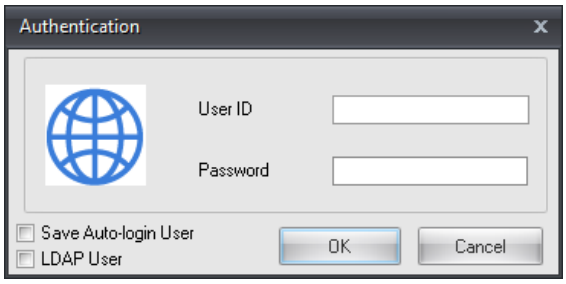
To run the RADIUS Software click Start > All Programs > OpenEye > RADIUS > RADIUS.



Until the software is registered, a reminder will display.

Logging in

Each time the RADIUS software starts, the Authentication window opens, prompting the user to login with a user account.



If logging in for the first time, use the following information to log in:

User ID: administrator

Password: <none>

REGISTER RADIUS

Register Online

1. To locate your System ID, click **Menu**, and then click **Register**.
2. A message will appear informing you that RADIUS must close to continue. Click **OK**.
3. Click **Yes**.
4. Note your **System ID**, and then open your Internet browser.
5. Go to **openeye.net**, and then click **Support**.
6. Click **Product Activation**, and then click **Activate RADIUS.**
7. Type your **System ID** along with the other information for your system.

Note Required fields are indicated with an asterisk.

8. Click **Next**.
9. Copy and paste the unlock code into the **License Key** field in the **Register RADIUS** window.
10. Click **Register**.

Register by Phone

The following information is necessary for phone registration:

- Company Name
- Company Phone Number
- E-mail Address for notification of updates
- System ID

1. Locate the System ID in the RADIUS software. From the **About** menu, click **Register.**
2. Call 1-888-542-1103
3. After completing registration by phone, enter the **License Key** provided by OpenEye in the **Register RADIUS** window.
4. Click **Register**.

RADIUS BASICS

CONNECTING TO A RECORDER

Refer to the video recorder manual for instructions on configuring the recorder for use with RADIUS software.

Viewing Video

1. Locate the recorder in the **Connection** list. If it is not visible, click the plus sign (**+**) next to the **DVR Group** name to expand the file tree.
2. Double click the desired recorder icon – or – right-click the icon and click **Connect**.
3. Click the plus sign (**+**) next to the recorder icon to display the connected camera icons.
4. Double-click a camera you want to view – or – drag the camera icon onto a box on the Live Display screen.

Moving Cameras

To change the position of a camera on the Live Display screen, click on the displayed video and drag to a new box.

Remove a Camera

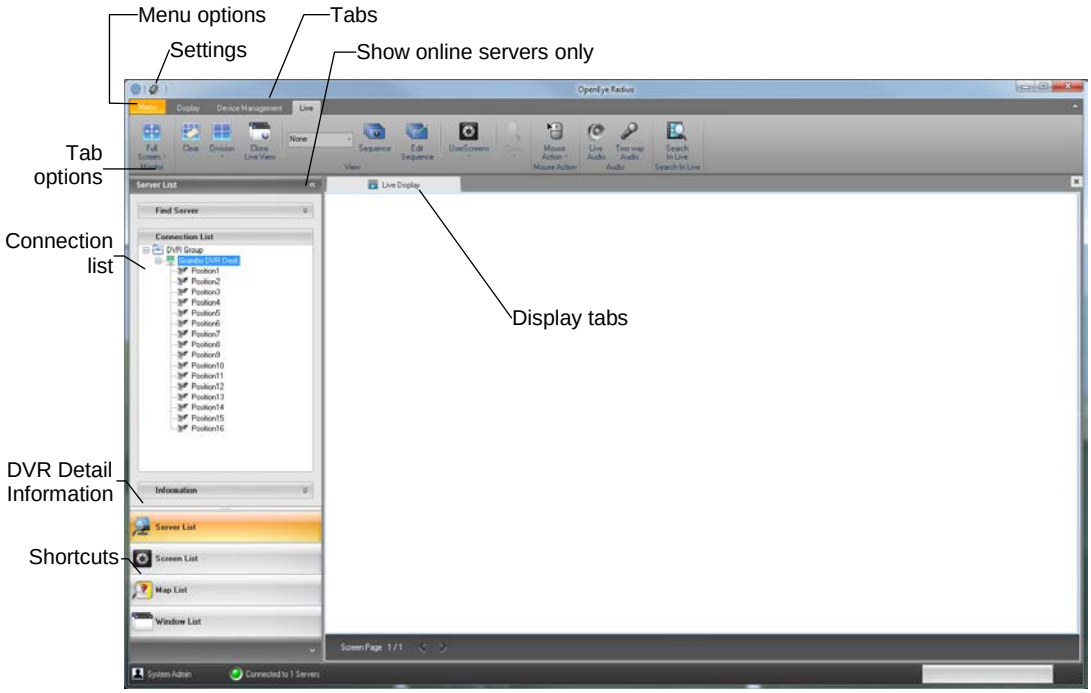
To remove a camera from the Live Display Screen:

Right-click the displayed video and select **Close**

– or –

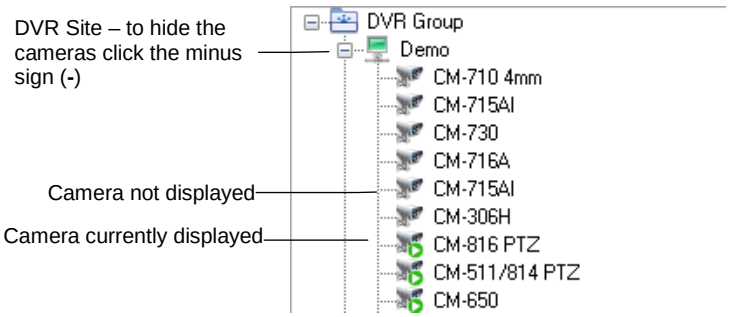
Right-click the camera icon in the Connection list and click **Close Live.**

MAIN DISPLAY SCREEN



CONNECTION LIST

The Connection list displays the current configured recorders in the DVR List Setup window. Each recorder can be displayed with the cameras showing or cameras minimized.



SHORTCUT LISTS

The shortcut lists help organize connected recorders, open windows and available maps.

Server List – The Server List displays all recorders connected to your RADIUS software and allows users to connect to recorders and their associated cameras quickly. This list is the default display.

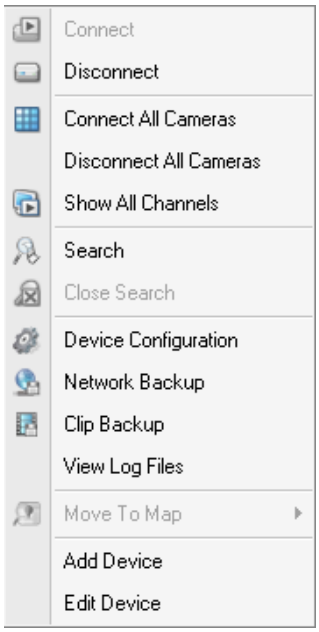
Screen List – View the list of custom video screens, add new screens, and edit existing screens.

Map List – The Map List displays all maps, open and closed, including HTML map links. The maps are listed in the order they are added.

Window List – The Window List organizes open windows into the categories: Live Windows, Search Windows, and Other Windows.

DVR Options

Right-click a recorder icon to display these shortcut options.



Connect – Opens a connection to the recorder.

Disconnect – Closes an open connection to the recorder.

Connect All Cameras – Connects all camera channels on the recorder.

Disconnect All Cameras – Disconnects all camera channels on the recorder.

Show All Channels – Displays all channels in a new window.

Search – Opens Search Display with the current recorder selected.

Close Search – Closes the Search Display and returns to Live Display.

Device Configuration – Opens the DVR Setup window.

Network Backup – Opens the Network Backup window.

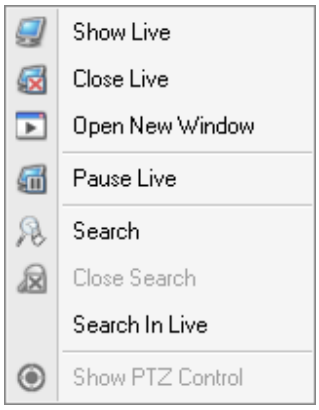
Clip Backup – Opens the Clip Backup window.

View Log Files – Opens the Log File window.

Move to Map – Shows a list of the maps associated with the server. Select a map to open it in a new tab.

Camera Options

Right-click a camera icon to display these shortcut options.



Show Live – Displays selected camera in the Camera Display Area.

Close Live – Removes the camera from the Camera Display Area.

Open New Window – Displays selected camera in a new window.

Search – Opens Search Display for the currently-selected recorder.

Close Search – Closes the Search Display and returns to Live Display.

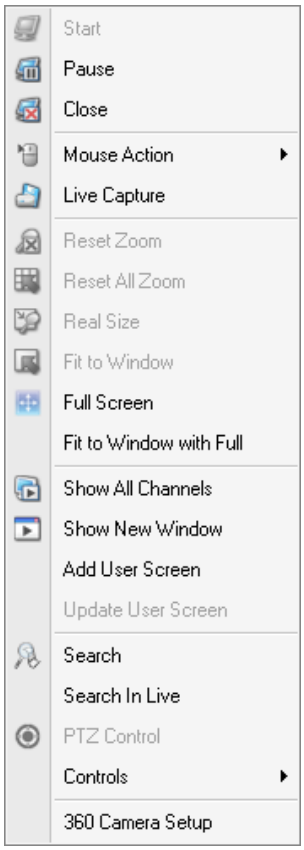
Search In Live – Allows you to search recently recorded video from the Live screen.

Show PTZ Control – Opens the on-screen PTZ controller.

LIVE DISPLAY

Camera Display Area – Displays up to 64 cameras. Move video display by dragging display to a different square.

Live Camera Options



Start – Start live video after pausing.

Pause – Pause live video.

Close – Close live video display.

Mouse Action – Change the function of the mouse to Move, PTZ control, or Digital Zoom.

Live Capture – Capture a JPG snapshot.

Reset Zoom –.Reset Zoom on specific camera.

Reset All Zoom – Reset Zoom on all cameras.

Real Size – Resize camera to actual resolution size.

Fit to Window – Return full screen display to show full Live Display window.

Full Screen – Display the Live Display full-screen (Press ESC to exit full-screen mode)

Fit to Window with Full – Display the selected camera full-screen. (Press ESC to exit full-screen mode)

Show All Channels – Open a new window will all channels displayed.

Show New Window – Open a new window with selected channel displayed.

Add User Screen – Add the current screen configuration to the Screen List.

Update User Screen – Save the current screen configuration as the currently-selected User Screen in the Screen List.

Search – Open the Search Display with the channel selected.

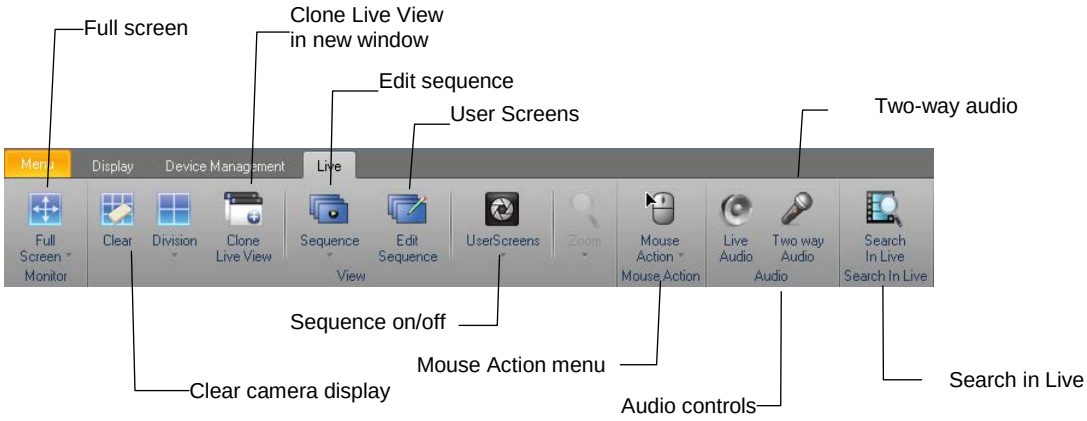
Search In Live – Search recently recorded video from the Live screen.

PTZ Control – Open the on-screen PTZ controller.

Controls – Manually trigger a control output (relay).

360 Camera Setup – Configure RADIUS for compatibility with a 360 camera.

Live Camera Tools



Mouse Action Options

Move – Drag live cameras from one location on the screen to another. This is selected by default.

PTZ – Enable on-screen PTZ compass. Click and drag the mouse on a PTZ camera channel to move it.

Digital Zoom – Use the mouse to zoom in on a camera channel. Click the camera channel and use the scroll wheel on the mouse to zoom in or out. A yellow icon will appear, indicating your position on the overall camera image.

Using Digital Zoom to Create Hot Spots

You can use the Digital Zoom function to see multiple detailed close ups from a single camera at the same time.

1. In the Server List, click the camera you want to use and drag it into as many windows as you want views.
2. Right-click the Live screen, click **Mouse Action**, and then click **Digital Zoom**.
3. Click on one of the camera windows.
4. Scroll your mouse to zoom in or out, and click and drag to select the appropriate portion of the camera image.
5. To control the **Digital Zoom** on another camera window, click the window.
6. When you have completed setting your screens, right-click the mouse, click **Mouse Action**, and then click **Move** to reset your mouse to normal function.

CUSTOM SCREENS

The RADIUS software allows the user to create groups of cameras called screens and customize the organization of the cameras. These screens can be selected from the Screen list.

Each Screen can contain up to 64 different cameras, and the Screen Division buttons will affect only the selected screen. Screen names and configurations will not be available unless **Auto Load Settings (on Log on)** and **Auto Save Settings (on Log off)** options are selected on the **General** settings screen.

Creating Custom Screens

Select a screen division option for the custom screen configuration.

1. Add cameras to the Live Display.
2. Select the desired screen division option.
3. Click **Screen List** in the shortcut list.
4. Right-click in the Screen List, and then click **Add Group**.
5. Type a name to identify the group.

Tip You must create or select a group before adding a new screen.

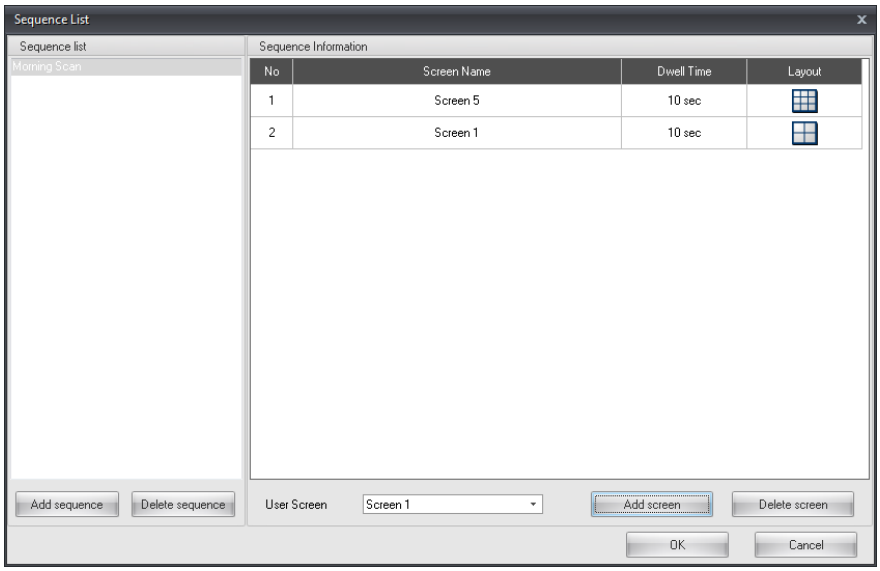
6. Right-click the group name and select **Add User Screen**.
7. Type a name to identify the screen.

Editing Custom Screens

1. To change your custom screen, add cameras to the Live Display.
2. Right-click the name of the Screen you want to change in the Screen List, and then click **Update User Screen.**

Create Screen Sequences

Combine several custom screens to create a sequence series.



1. On the **Live** tab, click **Edit Sequence.**
2. Click **Add Sequence**.
3. Double-click the new sequence on the list to type a custom name.
4. Select a screen from the **User Screen** list, and then click **Add screen**.

Tip You must have created two or more user screens to create a sequence.

5. Repeat until you have added all the screens that you wish to include in the sequence.
6. When you have finished, click **OK**.

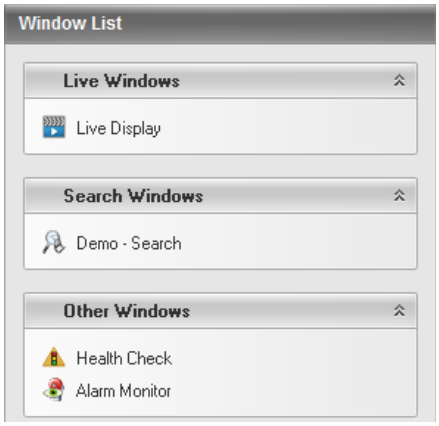
Using Screen Sequences

To view live video via screen sequence, click **Sequence** on the Live tab, and then use the drop-down menu to select your desired screen sequence.

USING MULTIPLE WINDOWS

The RADIUS software can support multiple open windows at one time. The windows are organized using tabs at the top of the Live/Search View Area. To switch between windows, click the appropriate tab.

The Window List in the left pane also organizes open windows by type: **Live**, **Search**, and **Other**.



Multiple Monitor Support

Multiple monitors may be used with RADIUS Software. Use multiple monitors to view the Map Editor, the Search window, and the Live Display at the same time.

Most Microsoft operating systems support multiple monitors but the video card may need to be upgraded to support more than one display. Contact a local computer vendor or your systems manager for more information.

Using Multiple Monitors

Drag a tab to open it in a new window.

1. Drag the window to another monitor.
2. To expand the window to full screen, click the **Maximize** button on the top right corner of the window.

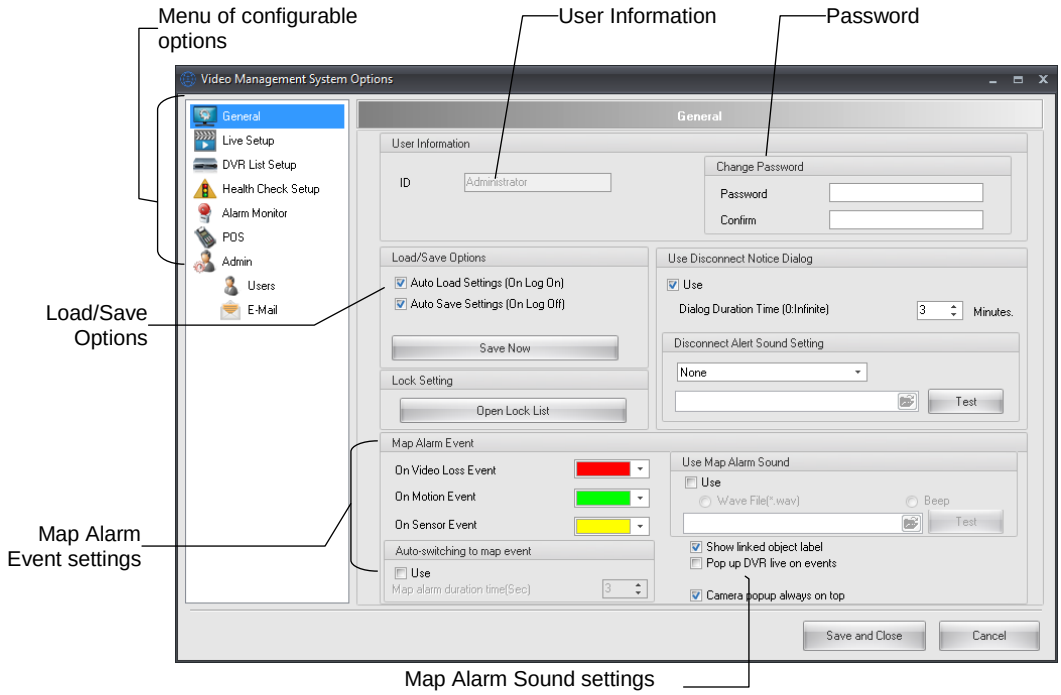
You can also open the live screen in another window.

1. Click **Clone Live View**.
2. Drag the cloned Live view window into another monitor.
3. To expand the window to full screen, click the **Maximize** button on the top right corner of the window.

SETUP

GENERAL SETUP

Use the General Options to configure map alarm settings and user information.



User Information – Displays the current user ID.

Change Password – Change the password of the current user.

Load/Save Options – Auto load or auto save all settings. (Must be selected to save user screens)

Open Lock List – Displays a list of functions that can be locked after configurable time of inactivity.

Use Disconnect Notice Dialog – Opens a dialog box, for the specified number of minutes, to indicate that a recorder has disconnected from RADIUS.

Disconnect Alert Sound Setting – Specify the audible alert to sound when a recorder disconnects from RADIUS.

Map Alarm Event – Specify the colors that display around map alarms on alarm events.

Auto-switching to map event – Opens the map associated with an alarm on an alarm event for the specified number of seconds.

Use Map Alarm Sound – Triggers an audible alarm on a map alarm event.

Show linked object label – Displays the user-defined label under linked objects on maps.

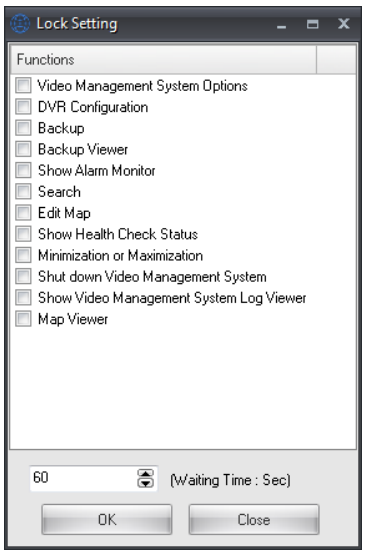
Pop up DVR live on events – Opens live video of recorder associated with an alarm on an alarm event.

Camera popup always on top – Opens live video window on top of all current application windows running on the system.

Locking Functions

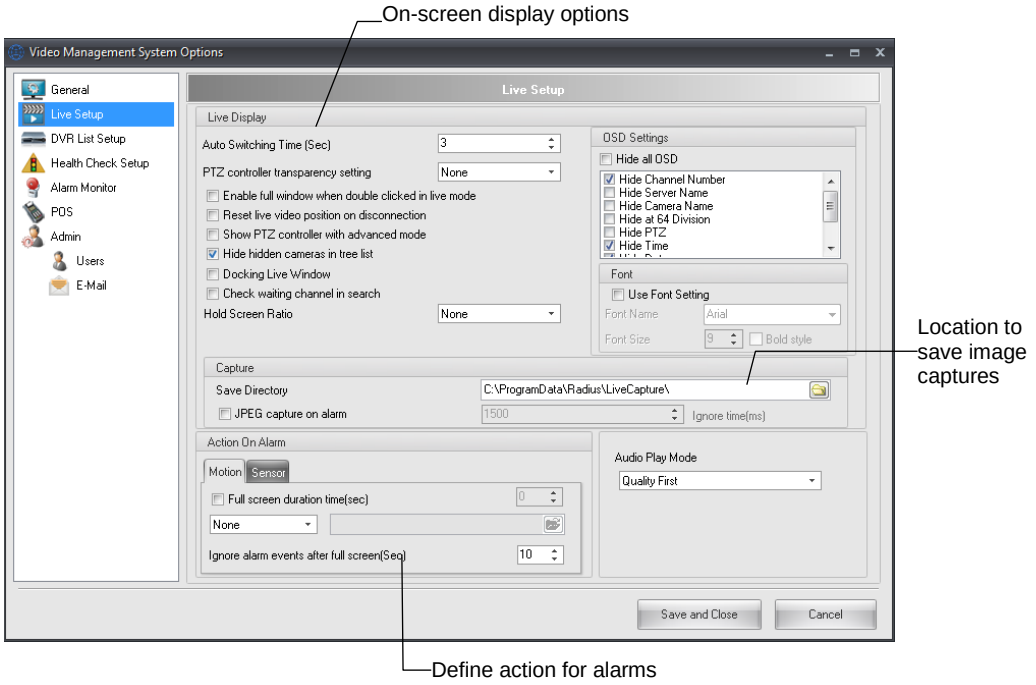
Use the Lock List function to lock specific functions after the user-defined waiting period.

- Video Management System Options
- DVR Configuration
- Backup
- Backup Viewer
- Show Alarm Monitor
- Search
- Edit Map
- Show Health Check Status
- Minimization or Maximization
- Shut down Video Management System
- Show Video Management System Log Viewer
- Map Viewer



LIVE SETUP

Use the Live Setup to configure on screen display options, full-screen on alarm settings, and JPEG image capture on alarm.



Auto Switching Time (Sec) – Sets time between the camera view sequencing

PTZ controller transparency setting – Set the transparency level of the PTZ controller.

Enable full window when double clicked in live mode – Enable to show a channel full screen when the live mode display is double-clicked.

Reset live video position on disconnection – Resets video positioning to display in sequential order.

Show PTZ controller with advanced mode – Show that advanced menu when the PTZ controller opens.

Hide hidden cameras in tree list – Exclude cameras, which are set to be hidden from a user, from the tree list of cameras.

Hold Screen Ratio – Preserves the native aspect ratio of the video.

Hide all OSD – Hide all on screen display text.

Use Font Setting – Change the font and font size of the on screen display text.

Save Directory – The location to which alarm images are saved.

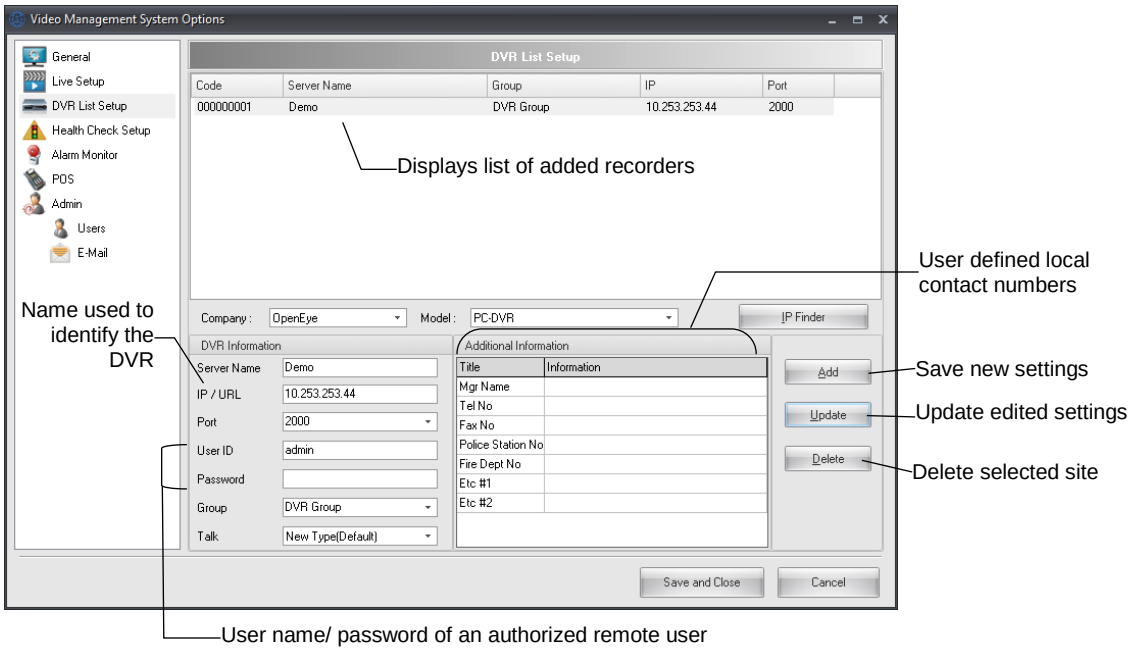
Jpeg Capture on Alarm – Capture a JPEG image of the associated channel on an alarm event.

Full Screen Duration Time – Show alarm video full screen on motion or sensor alarm.

Note The duration defines the amount of time the video will display before a subsequent alarm video can display. Single alarms will display full screen until closed by the user.

Audio play mode – *Quality first* – Play best quality video / *Sync first* – Keep audio synced with video

DVR LIST SETUP



Adding a New Recorder

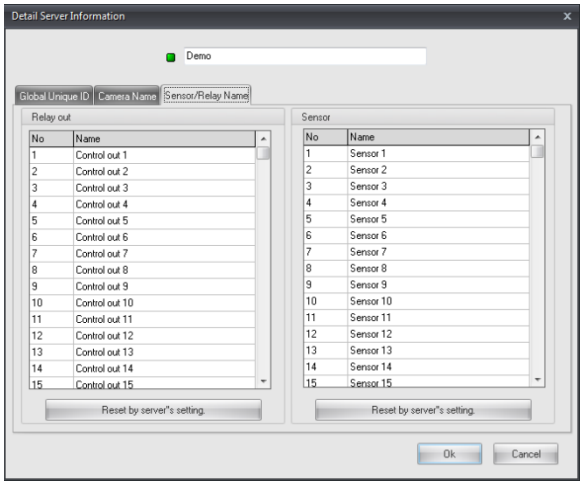
1. Click **Menu**, and then click **Settings.**
2. Click **DVR List Setup**.
3. Select the recorder model type from the **Model** list.
4. Type a name to identify the recorder in the **Server Name** field.
5. Type the IP Address of the recorder in the **IP / URL** field.
6. Select the **Port** the recorder uses to transfer data. This port is specified in the Network Setup display on the recorder.
7. Type the **User ID** and **Password** of an authorized remote user. This is the same information used by the recorder.
8. Type the name of a new group in the **Group** box – or – click the arrow to select a previously created group.
9. When you are finished, click **Add**.
10. When you have added all of your recorders, click **Save and Close**.

Editing a Recorder

1. Click **Menu**, and then click **Settings.**
2. Click **DVR List Setup**.
3. Select the recorder to edit from the list of connected recorders.
4. Edit the necessary information.
5. When you are finished editing information, click **Update**.
6. When you have added all of your recorders, click **Save and Close**.

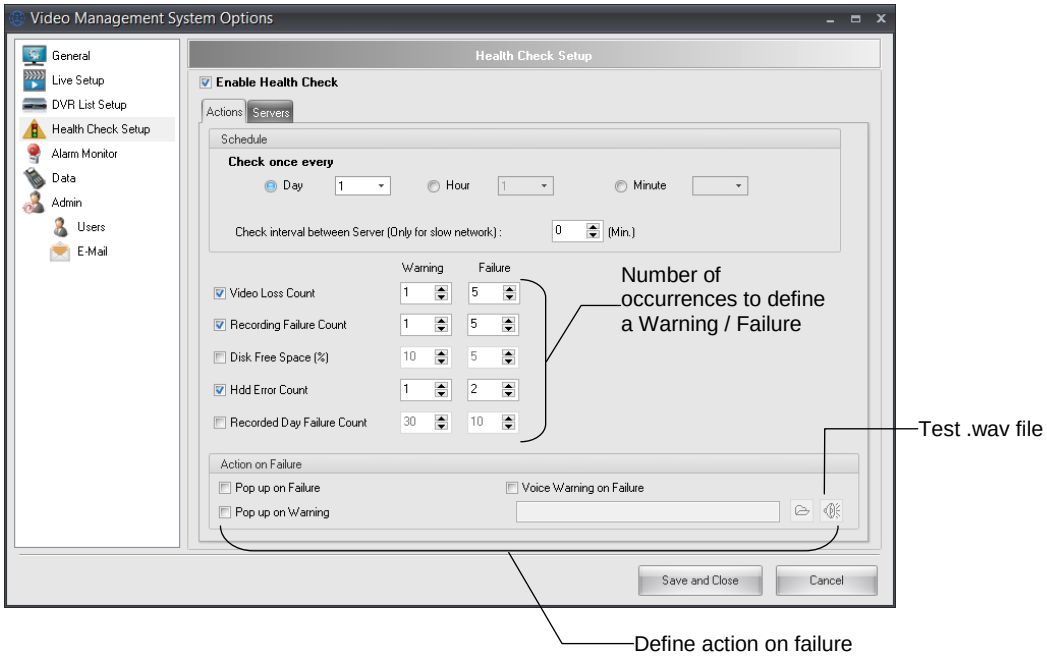
Name Sensors and Relays

1. Click **Menu**, and then click **Settings.**
2. Click **DVR List Setup**.
3. Double-click the recorder to edit from the list of connected recorders.
4. Click the **Sensor/Relay Name** tab.
5. Type custom names for the sensors in the **Name** columns as desired.
6. To reset the names to their defaults, click **Reset By Server's Setting**.
7. When you have finished naming your sensors and relays, click **OK.**
8. Click **Save and Close** to close the DVR List Setup window.



HEALTH CHECK SETUP

Health Check enables you to monitor the status of your recorders and notify users of video loss, recording failures or storage failures via e-mail alerts or trigger an audio warning to notify the RADIUS operator.



Set Up Health Check Options

Actions

The Actions tab allows you to define the frequency and thresholds for your Health Checks. You can also choose how to be notified when a Health Check alert is triggered.

1. Click **Menu**, and then click **Settings**.
2. Click **Health Check Setup**.
3. Click the **Actions** tab.
4. Select **Enable Health Check**.
5. Define the **Check Once Every** interval by **Day**, **Hour**, and **Minute** (10 min. ~ 7 days).
6. Select the appropriate check levels for **Video Loss**, **Recording Failure**, **Disk Free Space**, **HDD Error**, and **Recorded Day Failure**.
7. Define the number of occurrences that determines a warning or failure for each item.

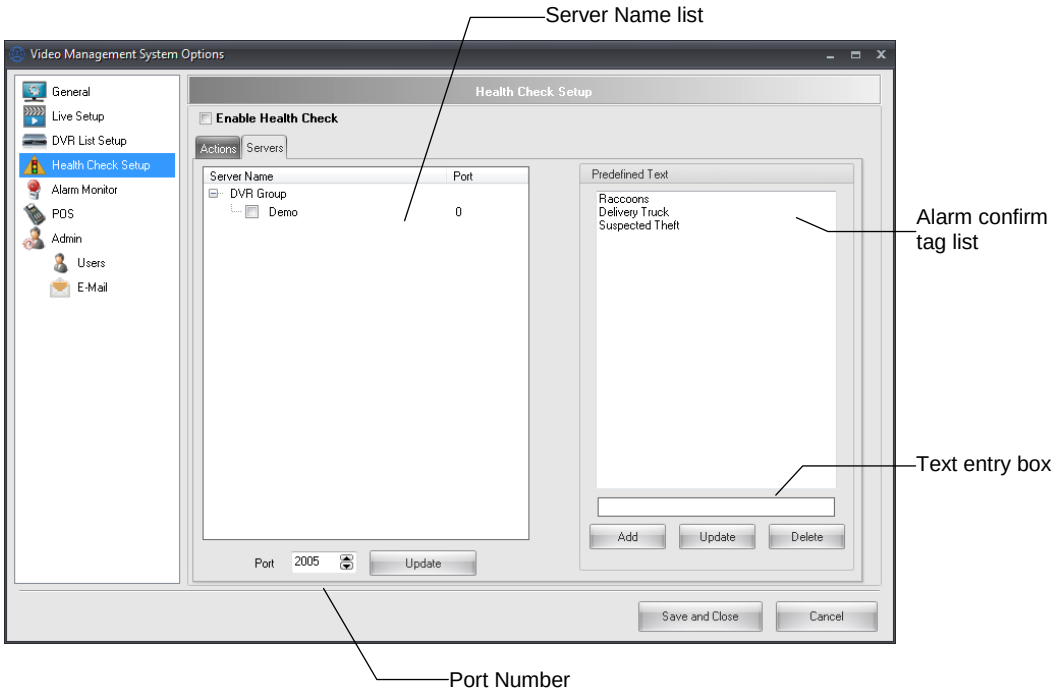
Note RADIUS can send E-mail notification of warnings. To configure email updates, see the **E-mail Alert Setup** section of this manual.

Action on Failure

1. Click **Menu** and then click **Settings**.
2. Click **Health Check Setup**.
3. Set up the Health Check options (**Pop up on Failure**, **Pop up on Warning**, **Voice Warning on Failure**).
4. If you select the **Voice Warning on Failure** check box, find and test the wav file you will use.
   a) Click the folder button to browse for a .wav file.
   b) Click the speaker button to test the .wav file.
5. Continue by completing the steps required in the **Servers** tab.

Servers

The Servers tab allows you to choose which servers are included on your health check.



1. Select the appropriate recorders in the Server Name list.
2. Type or use the **Up** or **Down** arrows to change the port.

Note Set your Health Check port to match the port used by your recorder. OpenEye Professional Recorders (X-Series, N-Series, and H-Series) use port 2005. E-Series recorders use port 0.

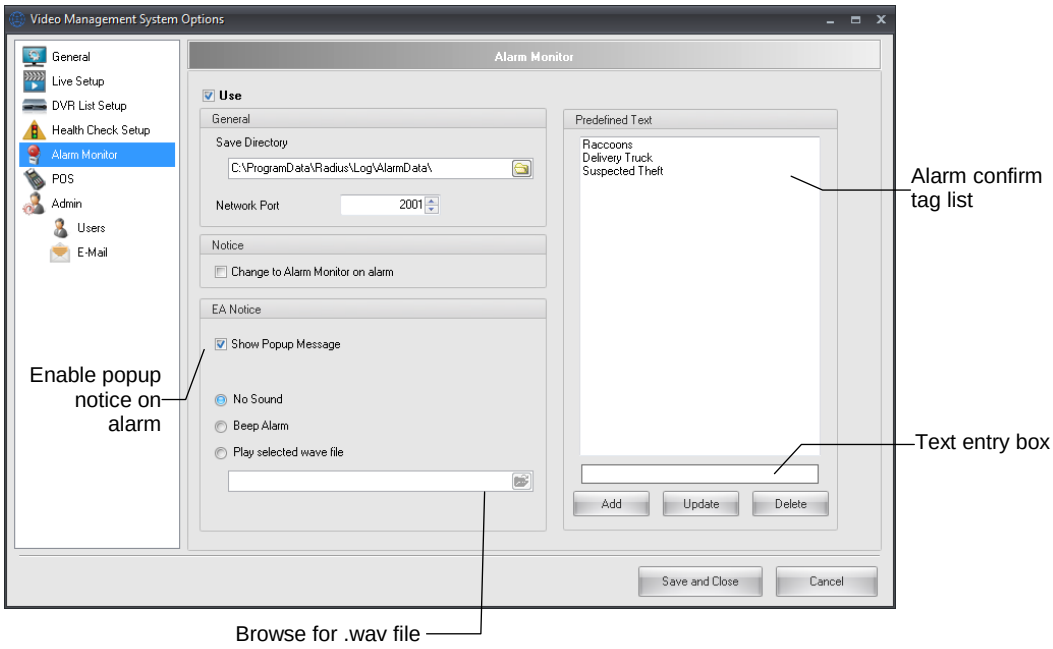
3. To add **Predefined Text** options, type your note into the **Predefined Text** field, and then click **Add**.

Note Adding Predefined Text terms to your health check setup allows you to assign predetermined health check status memos when running a health check, such as scheduled recorder restart, camera maintenance, power outage, or suspected theft.

4. Click **Update** to save your changes to the **Predefined Text** list.
5. Click **Save and Close** to exit Health Check Setup.

ALARM MONITOR SETUP

The Alarm Monitor Setup allows users to define alarm confirmation tags for use in the Alarm Monitor Window, select sound options for alarm events, and designate a location to save the alarm log file. Defining alarm confirmation tags will help identify and filter specific alarm events for later searches.

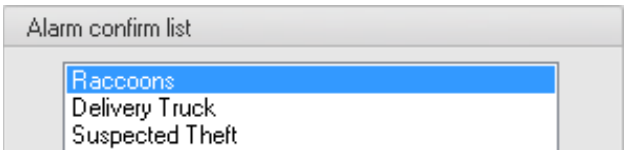


Set Up Alarm Monitor Options

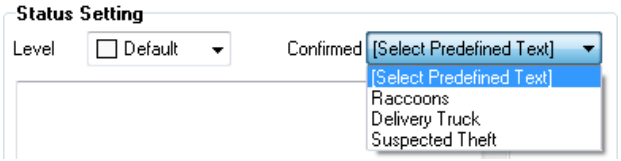
1. Click **Menu,** and then click **Settings.**
2. Click **Alarm Monitor**.
3. Select **Use** to enable Alarm Monitor options.
4. Type the **Network Port** number.
5. Select **Change to Alarm Monitor on alarm** to bring the Alarm Monitor application to the front on alarm.
6. Select **Show Popup Messenger** to show a small popup message on alarm.
7. Select a sound option for alarm events.
8. Add items to the **Alarm Confirm List**.

Add Items to Alarm Confirm List

1. Click **Menu** and then click **Settings**.
2. Click **Alarm Monitor**.
3. Type your desired text in the text entry box.

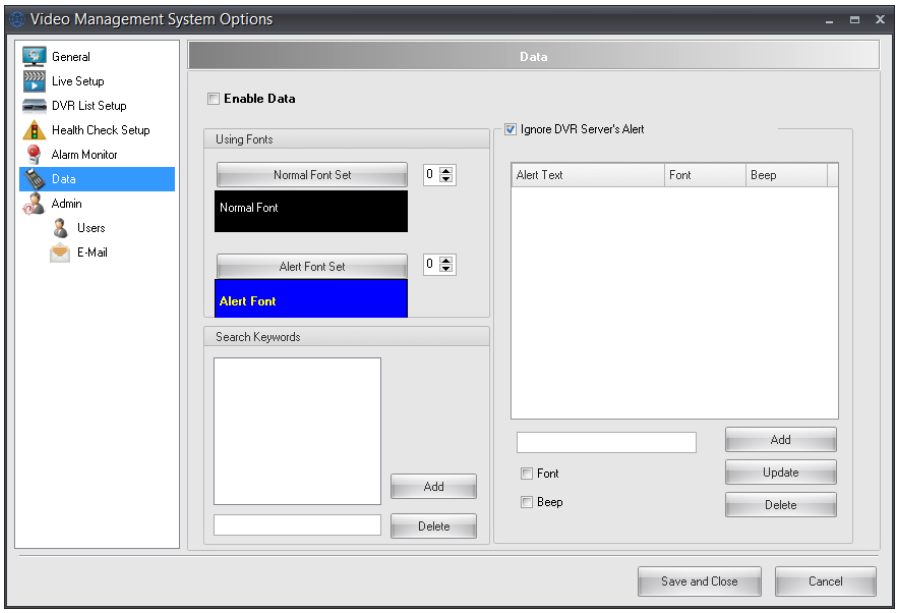


Note The items in the **Alarm Confirm List** will be available on a list under **Status Setting** in the **Alarm Monitor** window.



4. Click **Add**.
5. To edit an entry, select the entry in the Alarm Confirm List and then edit the text. Click **Update** to save the change.
6. To delete an entry, select the entry and click **Delete**.
7. When you have finished your Alarm Monitor Settings, click **Save and Close**.

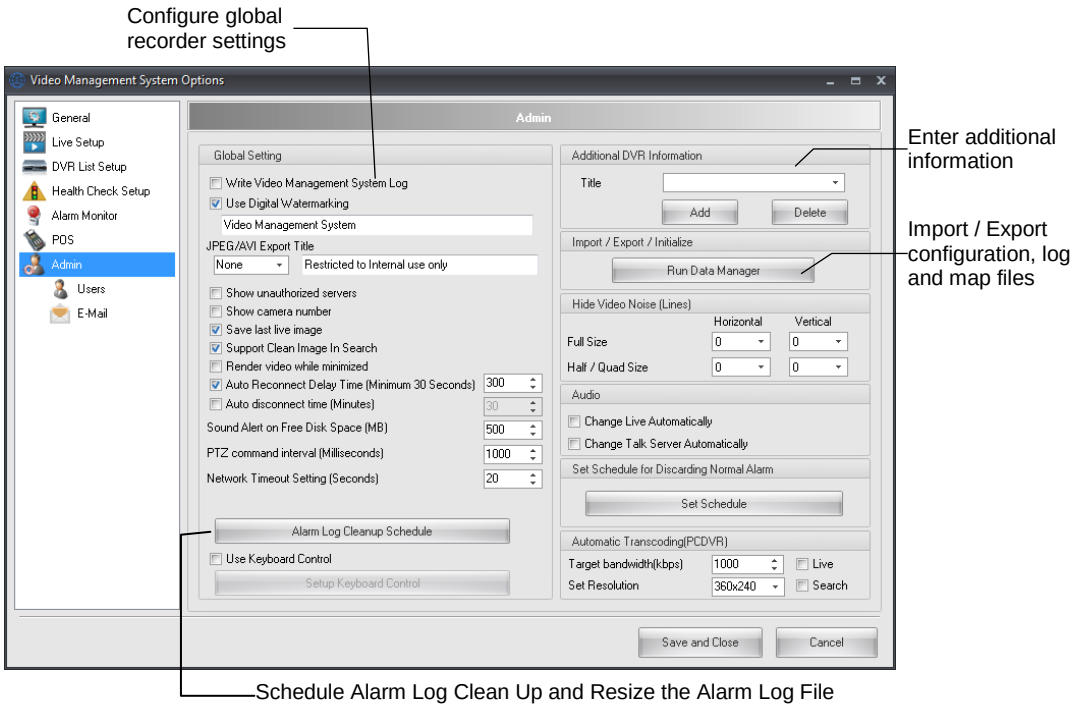
DATA SETUP



See the **Data Features** section of this manual for information on configuring Data options.

Enable Data – Enable to utilize Data functions such as searching and displaying Data text on screen.
Using Fonts – Configure the Font Set for Normal and Alert text.
Search Keywords – Configure for commonly searched Data items.
Ignore DVR Server's Alert – Allow custom alerts for RADIUS notification while ignoring DVR alerts.

ADMIN SETUP



Write Video Management System Log – Enable to write RADIUS events to the log of the recorder.

Use Digital Watermarking – Adds a user defined digital watermark to exported JPEG files.

Auto reconnect delay time – Specifies amount of time RADIUS waits before attempting to reconnect after a disconnection with a recorder.

Sound alert on free disk space – Enable an audible alert to sound when HDD space becomes limited on the recorder.

PTZ command interval – Delay PTZ commands to reduce the risk of multiple commands reaching the camera at the same time due to network latency.

Network timeout setting – Amount of time before RADIUS reports being disconnected from the recorder.

Alarm Log Cleanup Schedule – Schedule alarm log clean up and resize the alarm log file.

Use Keyboard Control – Enable use of a PTZ joystick keyboard controller.

Additional DVR Information – User-supplied contact information.

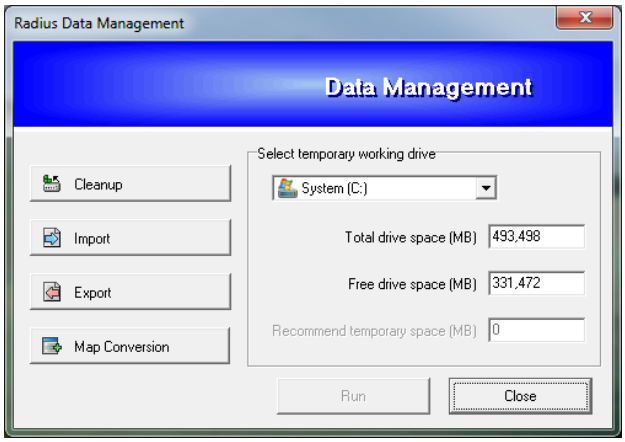
Run Data Manager – Opens the Data Manager application to import and export configuration, log, and map files.

Hide Video Noise (Lines) – Adjust settings to hide analog camera video noise.

Audio – Enables Audio for Live and Remote functionality

Set Schedule for discarding normal alarm – Create a schedule to filter out normal alarms, by category, from the event viewer display.

Data Manager



Cleanup – Schedule alarm clean up or restore alarm and recorder configuration to default settings

Import – Import system settings

Export – Export system settings

Map Conversion – Convert maps from legacy versions of RADIUS to use in versions 3.6+

Configuring Import / Export

Creating the custom settings for this application may take some time, depending on the number of connected recorders, and the complexity of maps. The import/export features provide the option to perform set up once and reuse the settings when desired. This option may need to be used when:

Using multiple stations. It may be practical to import settings if more than one station is used.

Installing new software versions. Upgrading to a newer software version sometimes forces the deletion of settings.

Windows / Software Failure. Windows may become unstable for a number of reasons (viruses, incompatible software, etc).

Exporting Settings

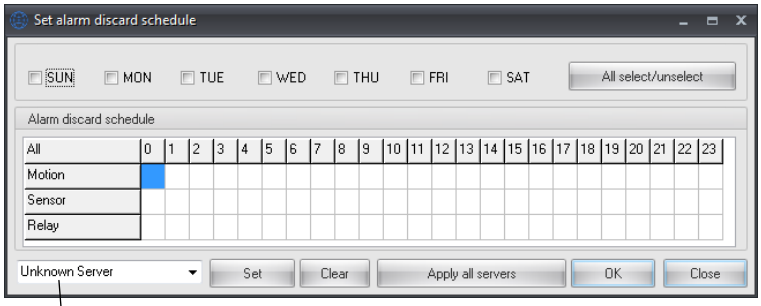
1. Click **Menu**, and then click **Settings**.
2. Click **Admin**.
3. Click **Run Data Manager**.
4. You will be required to close RADIUS to set up Data Manager. Click **OK**.
5. Click **Export**.
6. Click the folder icon, and then browse to the location you want to save your settings. Click **Save**.
7. Select the options you want to export, and then click **OK**.
8. Click **Run** to complete the export.

Import Settings

1. Click **Menu**, and then click **Settings**.
2. Click **Admin**.
3. Click **Run Data Manager**.
4. Click **Import**.
5. Click the folder icon to select a previously saved configuration file, and then click **Open.**
6. Click **OK**
7. Click **Run** to complete the import.

Set Schedule to Discard Alarms

Create a schedule to filter out Normal Alarms, by category, from the Event Viewer display.



Creating a Schedule to Discard Normal Alarms

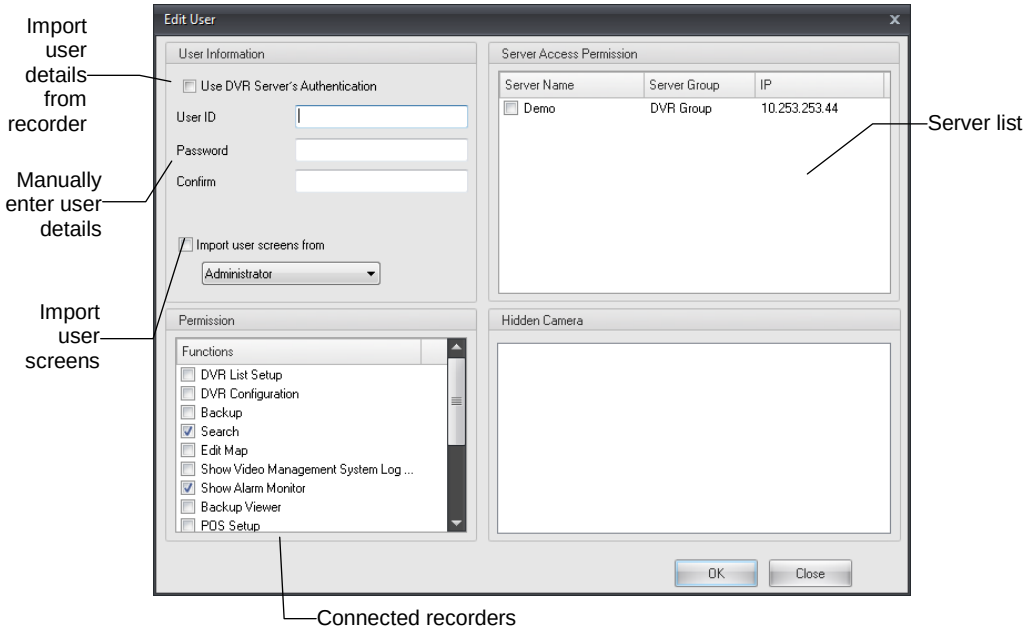
1. Click **Menu**, and then click **Settings**.
2. Click **Admin**.
3. Click **Set Schedule**.
4. Select a recorder to apply this schedule to from the list of connected recorders or click **Apply to All Servers** to apply the schedule to all connected recorders.
5. Select the days of the week.
6. Click and drag the mouse to select the hours of the day to ignore the desired type of alarm (**Motion**, **Sensor**, **Relay**).
7. Click **Set** after each block of time is selected.
8. When you have finished, click **OK.**
9. Click **Save and Close** to exit the Admin setup screen.

Scheduling Log Cleanup

1. Click **Menu**, and then click **Settings**.
2. Click **Admin.**
3. Click **Alarm Log Cleanup Schedule**.
4. Select **Use Cleaning Alarm Log File Automatically**.
5. Select your desired setting for the time to keep log files, and for when and how frequently to delete log files.
6. When you have finished, click **OK**.
7. Click **Save and Close** to exit the Admin setup screen

USER MANAGEMENT

RADIUS allows the administrator to define user privileges. User privileges are defined individually per user by the administrator.



Creating Users

1. Click **Menu**, and then click **Settings**.
2. Click **Users**.
3. Click **Add User**.

Tip Select the **User DVR Server's Authentication** check box to use the user ID and privileges defined by the recorder.

4. Type a username in the **User ID** field.
5. Enter and confirm a password.

Tip To import custom screens from another user, select **Import User Screens From**, and then click **Administrator** and select your desired user from the list.

6. In the **Server Access Permission** list, select the recorders to allow the user to view.
7. In the **Permission** list, select the Functions to allow the user to access.
8. To restrict camera access, click a **Server Name** to reveal the camera channels in the **Hidden Camera** field.
9. Select cameras to hide from the user.
10. Click **OK** to apply your changes.

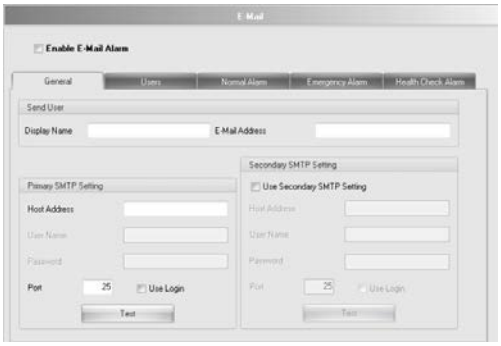
Editing Users

1. Click **Menu**, and then click **Settings**.
2. Click **Users**.
3. Select a user listed in the **User** window.
4. Click **Update User**.
5. Perform the desired changes; change the password, user permissions, or server access.
6. Click **OK** to apply your changes.

E-MAIL ALERT SETUP

Configure the E-mail setup window to send e-mail alerts to users based on alarm events.

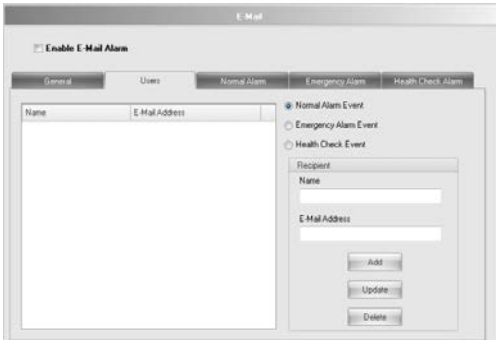
General E-mail Setup



1. Click **Menu**, and then click **Settings**.
2. Click **E-Mail,** and then click the **General** tab.
3. Select **Enable E-Mail Alarm**.
4. Type the **Display Name** and **E-Mail Address** of the e-mail account used to send e-mail alerts.
5. Type the **Primary SMTP Settings,** and then click **Test**.
6. If desired, click the checkbox to **Use Secondary SMTP Setting** and enter the secondary SMTP settings.

Users E-mail Setup

Creating a User



1. Click **Menu**, and then click **Settings.**
2. Click **E-Mail,** and then click the **Users** tab.
3. Type a **Name** for the recipient.
4. Type the **E-Mail Address** for the recipient.
5. Click **Add**.

Activating a User

1. Click **Menu**, and then click **Settings.**
2. Click **E-Mail,** and then click the **Users** tab.
3. Select the user in the **Users** list.
4. Click **Save and Close.**

Note Only activated users will receive e-mail notification of alarm events.

Editing a User

1. Click **Menu**, and then click **Settings.**
2. Click **E-Mail,** and then click the **Users** tab.
3. Select the user from the list
4. Edit the user's name and/or e-mail address
5. Click **Update** to apply changes

Deleting a User

1. Click **Menu**, and then click **Settings.**
2. Click **E-Mail,** and then click the **Users** tab.
3. Select a user from the list.
4. Click **Delete** to remove the user.

Normal Alarm E-mail Setup

1. Click **Menu**, and then click **Settings.**
2. Click **E-Mail**.
3. Create e-mail users on the **User** tab.
4. Click the **Normal Alarm** tab.
5. Select **Use**.
6. Select the alarm types you want to trigger e-mail alerts.
7. Define how often to send e-mail notices.

Emergency Alarm E-mail Setup

1. Click **Menu,** and then click **Settings.**
2. Click **E-Mail**.
3. Create e-mail users on the **User** tab.
4. Click the **Emergency Alarm** tab.
5. Select the **Use**.
6. Select the alarm types you want to trigger e-mail alerts.

Health Check Alarm E-mail Setup

1. Click **Menu,** and then click **Settings.**
2. Click **E-Mail**.
3. Create e-mail users on the **User** tab.
4. Click the **Health Check Alarm** tab.
5. Select **Use**.
6. Select the types of alarm to trigger an e-mail notification.
7. Type a comment to include with the e-mail if desired.
8. Click **Save and Close** to apply changes.

MAPS

MAP OVERVIEW

RADIUS software is capable of importing maps and associating cameras and sensors to locations on the map, as well as linking maps together. This feature allows you to quickly identify alarm zones and view the related video.

Search Devices on Map Display

Right-click in the **Map List**, and then click **Search Devices on Map** Display to locate specific devices/icons on the map.

ADDING A MAP FILE

Import as many maps as necessary. Maps are listed in the Map List in the order that they are added. Name the files in a manner that allows for easy recognition.

1. Click **Map List** in the shortcut menu.
2. Right-click the **Map List**, and then click **Add Map**.
3. Type a **New Map Name**. Use a name that will make the map easy to identify.
4. Click **Find** to browse for the map file.
5. Select the file. Supported file types include:
   a) Auto CAD files (up to R14) – DFX, DWG
   b) Standard image files – JPG, BMP, EMF, WMF
6. Type any additional information you want to include with the map display in the **Comment** field.
7. Click **OK** to add the map.

ADDING AN HTML MAP

1. Locate an HTML map in a preferred online map service such as Google Maps or Microsoft Live Search.
2. Copy the permalink to your clipboard.
3. Right-click the **Map List** and select **Add Map**.
4. Type a **New Map Name**. Use a name that will make the map easy to identify.
5. Paste the permalink of the HTML map in the **File Name or URL** field.
6. Select **UR**L.
7. Type any additional information you want to include with the map display in the **Comment** field.
8. Click **OK** to add the map.

OPENING A MAP

Right-click the map name on the Map List and select **Open Map**.

- or -

Double-click the map name.

CLOSING A MAP

To close the map display tab, click on the Map Display tab.

CREATING MAP LEVELS

If you have many map files associated with your recorders you may want to organize the maps by level. Organize the maps so that lower level maps are grouped under the higher level maps. For example, if your first-level map is the state of California, you might want maps of Los Angeles, Sacramento and San Francisco to be second-level maps. You can create up to four levels of maps.

To create a new map level:

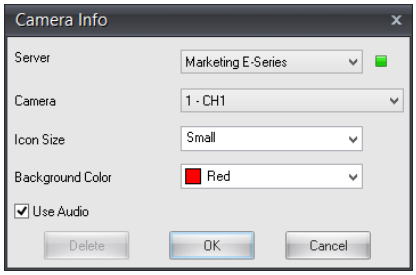
- In the map list, drag a map over another map name to organize it as a lower level map.

PLACING MARKERS ON A MAP

Placing cameras, sensors, relays, servers and links allows easy identification of the locations where cameras and alarms are located, as well as the ability to link between multiple area maps.

Attaching Cameras/Sensors

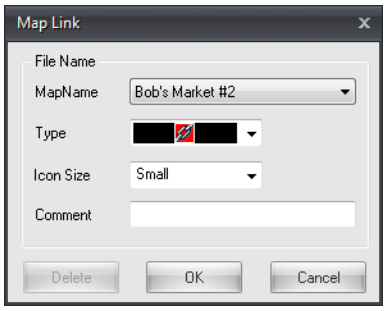
1. Click **Map List** on the shortcut menu.
2. Right-click the name of a map and then click **Open Map**, or double-click the name of the map to open it.
3. Click the **Lock/Unlock** icon to unlock the map.
4. Click Add **Map Items**, and then click your desired device (**Add Camera**, **Add Sensor**, **Add Relay**, **Add Server**).
5. Click the location on the map to place the icon.



6. Select a recorder from the **Server** list.
7. Select a specific camera, sensor or relay from the **Camera** list.
8. Select the **Icon Size** and **Background Color**.
9. Click **OK.**

Attaching Map Links

1. Click **Map List** on the shortcut menu.
2. Right-click the name of a map and then click **Open Map**, or double-click the name of the map to open it.
3. Click the **Lock/Unlock** icon to unlock the map.
4. Click **Map Items,** and then click **Add Maplink**.
5. Click the location on the map to place the icon.

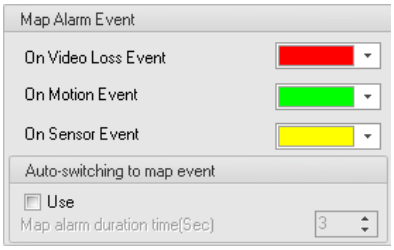


6. Select a map from the **Map Name** list.
7. Select the **Icon Size**.
8. Add a comment to describe the map, if necessary.
9. Click **OK**.

Changing Alarm Colors

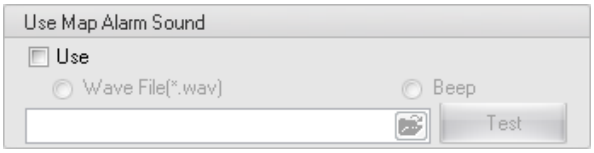
The colors of the three alarm types can be customized in the RADIUS Options window. It may be necessary to change the alarm colors depending on the colors of the map. Customize the color and alarm time for Sensor, Motion and Video Loss events.

1. Click **Menu**, and then click **Settings**.
2. Click **General**.
3. Change the **Map Alarm Event** colors.
4. In the **Auto-switching to map event** section, select **Use** to open the associated map on an alarm event.
5. Enter the time (in seconds) for the alarm to flash after activation.



Adding a Map Alarm Sound

1. Click **Menu**, and then click **Settings**.
2. Click **General**.



3. In **Use Map Alarm Sound,** select the **Use** check box.
4. Select **Beep** or **Wave File**.
5. If using a Wave file, click the folder icon to browse to the file location.
6. Click **Test**.
7. Click **Save and Close**.

Viewing Video on Alarm

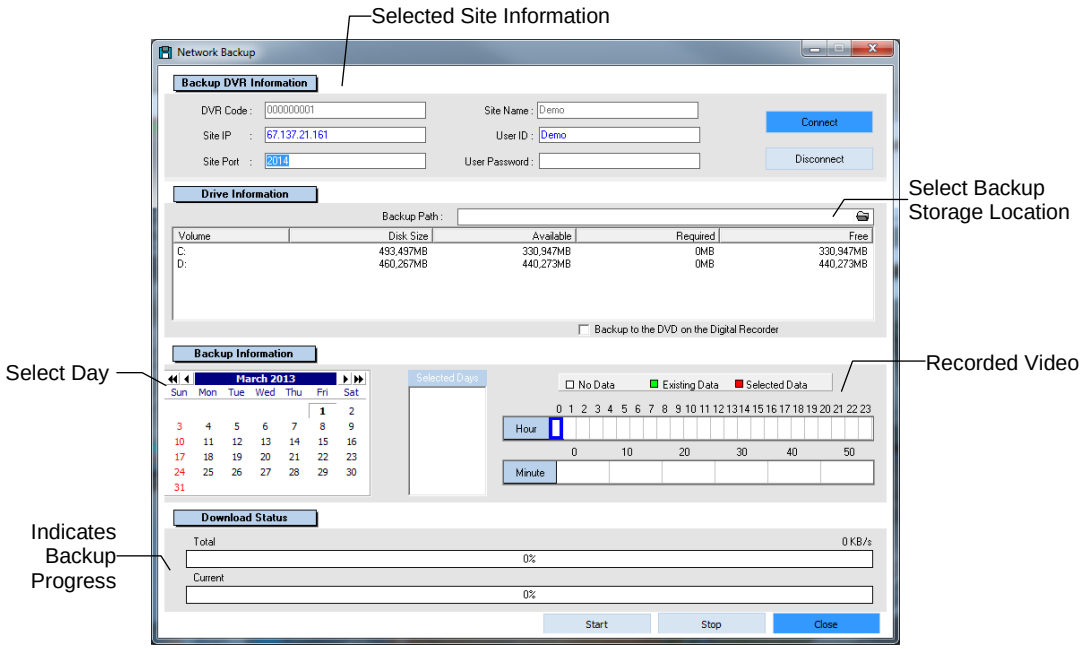
When the Alarms are activated, colored circles will flash around the sensor icon in the map. To view the camera associated with the alarm, double-click the flashing sensor icon. The video will open in a new window.

VIDEO BACKUP

NETWORK BACKUP

The Network Backup window allows you to backup all cameras on the selected recorder to a local or network drive.

Professional Recorders (X, Xr, H, N-Series)

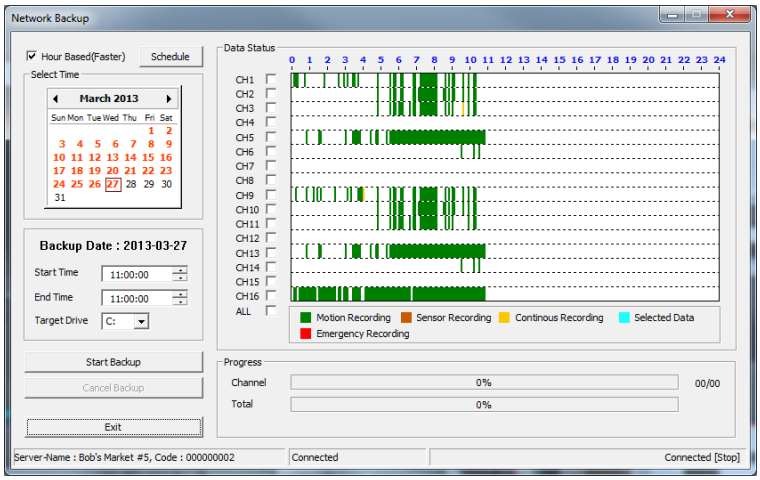


Backing up All Cameras

1. Open the **Network Backup** window. Right-click your desired recorder on the **Server List** and then click **Network Backup**.
2. If necessary, select the desired recorder on the **Site Name** list and type a **User ID** and **Password**.
3. Click **Connect**.
4. Click a date on the calendar. Browse to preceding months/years using the arrows.
5. Click the **Hour** you want to backup, and then select the **Minute** (shown in ten-minute blocks). Selected blocks of time will turn red. To clear a block of time, click it again.
6. Click the **Backup Path** folder icon to browse to the network storage location.
7. Click **Start**. The **Download Status** section will display backup progress
8. To stop a backup already in progress, click **Stop**.

Note If the amount of video exceeds the storage capacity of the selected media, an error message will display. If this happens, reduce the amount of video in the backup or select a backup media with a larger storage capacity.

Regular Backup

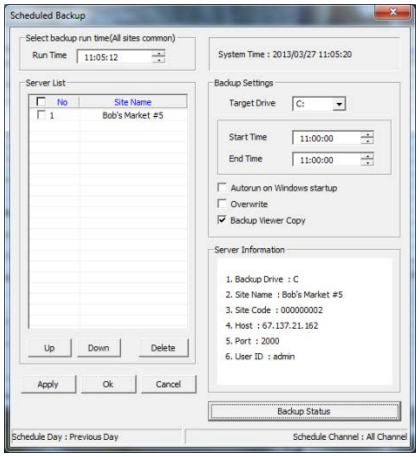


1. Open the **Network Backup** window. Right-click your desired recorder on the **Server List** and then click **Network Backup**.
2. Click on a date on the calendar. Browse to preceding months/years using the arrows.
3. Type a **Start Time** and an **End Time** or use the arrows to define the time.
4. Select a backup location from the **Target Drive** list.
5. Select the check boxes next to the channels to include in the backup or select **All**.
6. Click **Start Backup**. The **Progress** section will display backup progress

Scheduled Backup

The Scheduled Backup screen is used for performing bulk backup of video recorded by all cameras for a selected period, on a regular scheduled basis (1-24 hours).

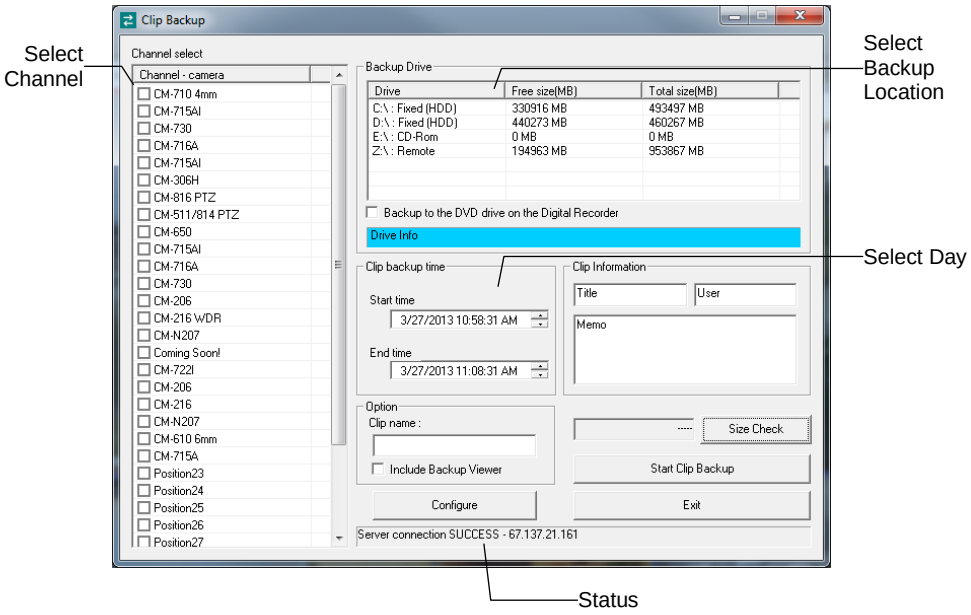
1. Open the **Network Backup** window. Right-click your desired recorder on the **Server List** and then click **Network Backup**.
2. Click **Schedule**.
3. Select the recorders that you want to create backup schedules for.
4. Select a backup location from the **Target Drive** list.
5. Set the **Run Time** to define what time of day the system will perform the backup.
6. Set the **Start Time** and the **End Time** to define the hours of each day to include in the backup.
7. To run a scheduled backup each time the system is turned on, select **Autorun on Windows startup**.
8. Click **Apply** to save changes.



CLIP BACKUP

The Clip Backup window allows you to backup one or more cameras on the current recorder to a local drive, CD/DVD or USB device.

Note Clip Backup is only compatible with Professional recorders.



Backing up Selected Cameras

1. Select the desired recorder from the **Server List**.
2. In the Device Management tab, click **Clip Backup**
   —or—
   Right-click the desired recorder in the **Server List** and select **Clip Backup**.
3. Select an available **Backup Drive**.
4. Select your desired cameras in the **Channel Select** list.
5. In the **Clip Backup Time** area select the desired date and **Start Time** and **End Time** for the clip.
6. Type a name to identify the clip in the **Title** box.
7. Type a note in the **Memo** box if desired.
8. Type the desired file name in the **Clip Name** box.
9. To include the proprietary Backup Viewer application with the backup clip, select the **Include Backup Viewer** check box.
10. Click **Size Check** to make sure the backup drive has sufficient available space.
11. Click **Configure** to check the file size.
12. Click **Start Clip Backup**. The Status area will display backup progress

Note If the size of the video file exceeds the storage capacity of the selected media, an error message will display. If this happens, reduce the amount of video in the backup or select backup media with a larger storage capacity.

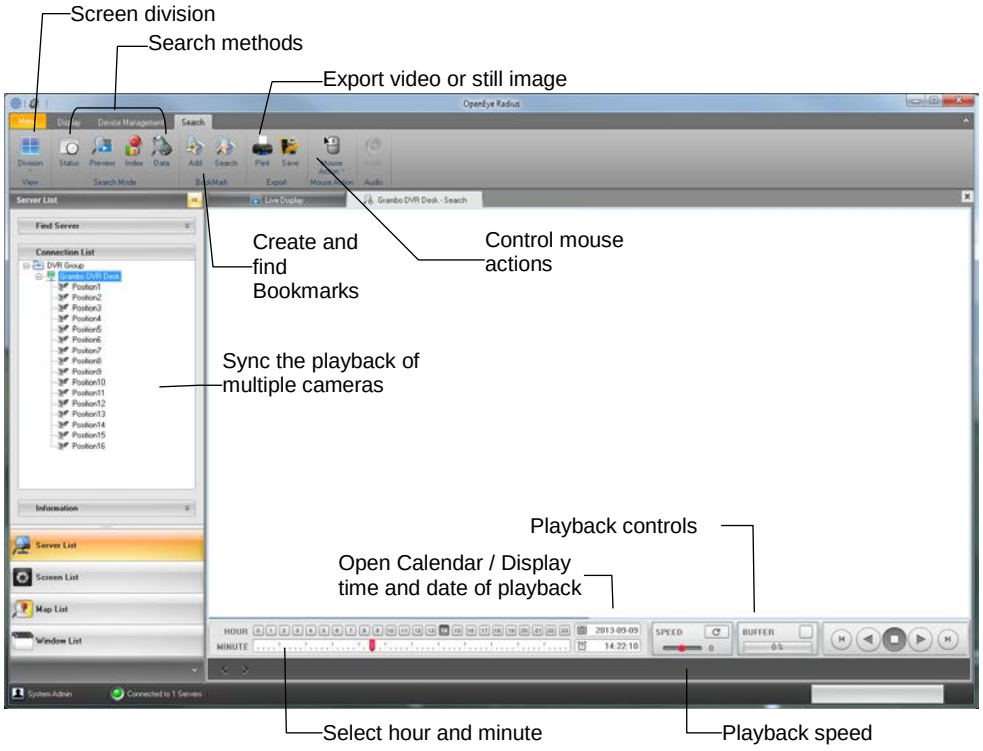
SEARCH

SEARCH OVERVIEW

RADIUS Software has several options to allow for searching recorded video. From Motion and Sensor indexing to calendar views showing days with recorded video, RADIUS is designed to help the user quickly locate specific data.

There are two types of Search windows:

- *Standard Search* – Provides multiple searching options but only allows searching video of one recorder at a time.
- *Multiple Search* – Allows searching of video from multiple recorders simultaneously. This function is only supported with OpenEye Professional recorders.



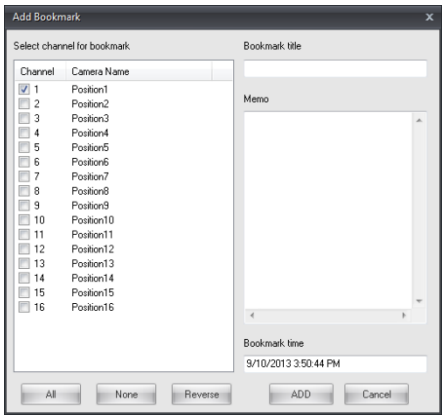
Performing a Basic Search

1. Right-click a recorder or camera in the **Server List** and select **Search**.
2. Click the **Calendar** button and select a time and date. Dates with recorded video are indicated with a red circle.
3. Select cameras by dragging them from the **Connection List** into the display field.
4. Start playback using the playback controls. Video can be played forward, backward and frame-by-frame.

Bookmarks

Use bookmarks to mark a video clip during a search. Quickly find bookmarked clips for later review or backup.

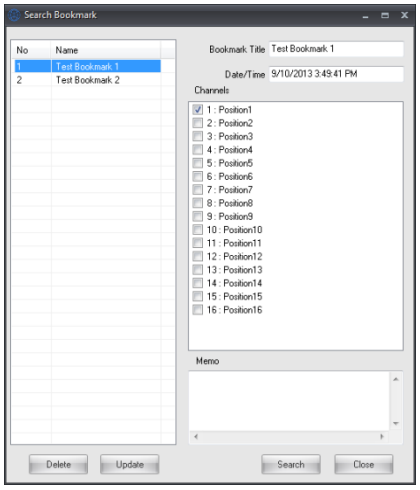
1. Perform a search for the desired video.
2. Stop playback at the beginning of the desired clip.
3. On the **Search** tab, in the **Bookmark**, click **Add**.
4. Type a **Bookmark Title**.
5. If desired, type notes regarding the bookmark in the **Memo** field.
6. You may also select additional channels to include video at different locations recorded at the same time.
7. Click **Add**.



Search Bookmarks

Access previously bookmarked points of recorded video and open them in the Search screen.

1. On the **Search** tab, in the **Bookmark** section, click **Search**.
2. Select your desired bookmark from the list.
3. Click **Search**, the recorded video will open at the bookmarked point in the search screen.



Modify Bookmarks

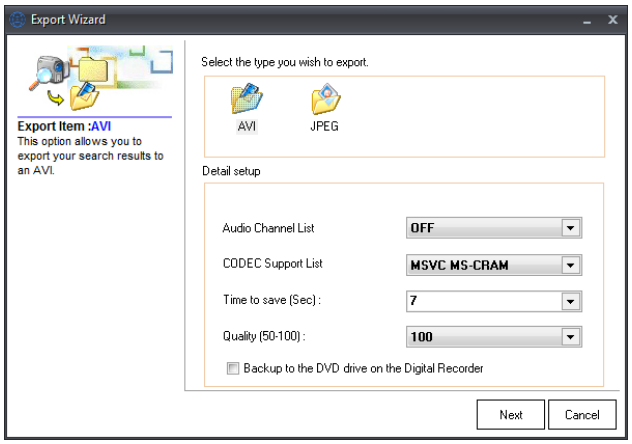
You can modify a previously created bookmark to change the start time of the clip or add additional cameras.

1. On the **Search** tab, in the **Bookmark** section, click **Search**.
2. Select your desired bookmark from the list.
3. Make your desired change.
4. Click **Update**.
5. When the modification is complete, click **Cancel** to close the window.

Save to JPG or AVI

The Save function allows you to export single images in the .JPG file format or video clips in .AVI format. JPG and .AVI file formats are the most commonly used formats. Virtually every computer offers support for these file formats which makes them ideal for saving images/video.

- **JPG** – Optimized for compressing full-color or grayscale photographic images. .JPG images are 24-bit (16.7 million colors) graphics. .JPG is used to save a single image or frame.
- **AVI** – The AVI format is used to save video clips. Can be stored uncompressed but is typically compressed using a Windows-supplied or third-party compression and decompression module called a codec. AVI is used to save video clips.



1. Perform a **Search** to locate saved video.
2. After locating your video, click **Save**.
3. Select the type of file format; .AVI for a video clip or .JPG for a single frame.
4. If saving a video clip, select a compression codec, length of clip (seconds) and quality.
5. Click **Next**.
6. Type a file name in the **Export Name** box.
7. Select a location to save the file by browsing the file tree.
8. Click **Next**.
9. Click **OK**.
10. Click **Finish**.

Printing an Image

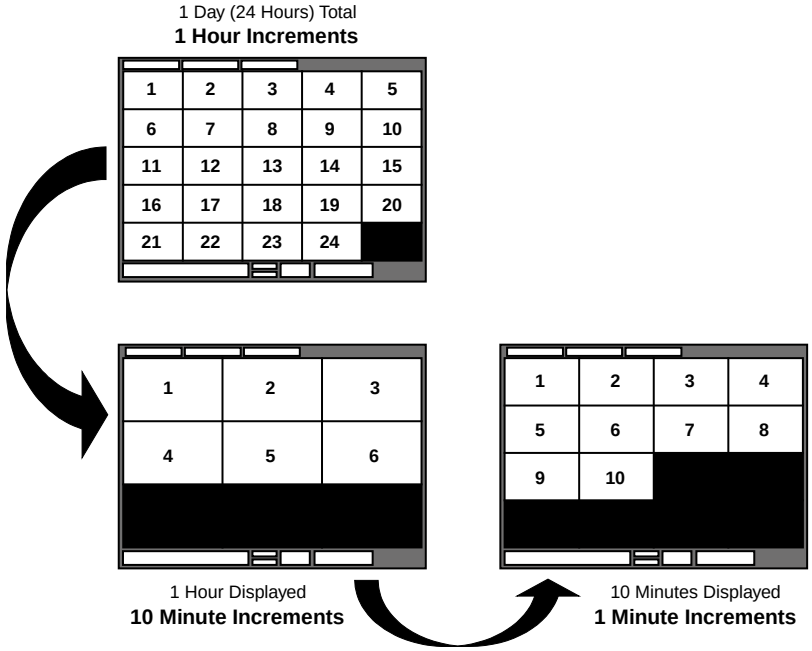
RADIUS software can print a recorded image to a local or network printer.

1. Perform a **Search** to locate saved video.
2. After locating the desired video, click the **Print** button to open the **Print Options** window. Depending on the printer used, there may be several printing options available. Refer to the printer manual for more information.
3. Click the **Print** button to print the selected image.

Note The message *NO DEFAULT PRINTERS INSTALLED* will appear if no printer is connected.

PREVIEW SEARCH

The Preview Search can be used in a number of circumstances to quickly find the exact moment where an event (such as a theft) occurred. The Preview Search displays a 24-hour visual overview of a single camera by separating a 24-hour period (1 day) into 24 images, one image for each hour of the day. The search can then be further narrowed down into ten minute increments and one minute increments by simply selecting one of the images displayed. The example below shows how the Preview Search works.



The first screen has 24 images displayed. Each image represents the first second of each hour. If there is no image recorded during that period, nothing will be displayed.

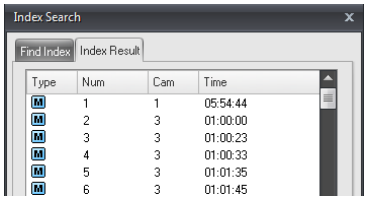
Double-click an image to select an hour. A new screen appears with 6 images, each one representing a 10-minute segment of video. Double-click an image to select a 10-minute segment. The final screen appears with the 10-minute segment broken into 1-minute increments (10 images).

Performing a Preview Search

1. Right-click a recorder or camera in the **Server List**, and then click **Search**.
2. Select a single camera.
3. Click the **Calendar** button to select a date from the calendar.
4. Click **Preview** to display 24 images. If there is no recorded video during a portion of the day, the OpenEye logo will be displayed in place of an image.
5. Refine the search by double-clicking an image to display six 10-minute increment images.
6. Refine the search further by double-clicking an image to display ten 1-minute increment images.
7. Double-click an image to display a 1-minute segment of video. Return to the previous display by right-clicking an image.
8. Use the playback controls to play the video segment.
9. To exit Preview Search with the current image still selected, click **Preview**.

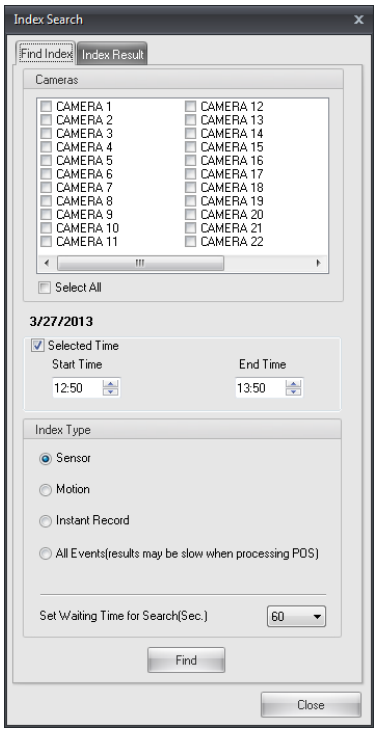
INDEX SEARCH

Using the Index Search can decrease the amount of time spent searching through saved video. The Index Search allows a user to perform a search based on criteria such as Sensor, Motion and Instant Record events.



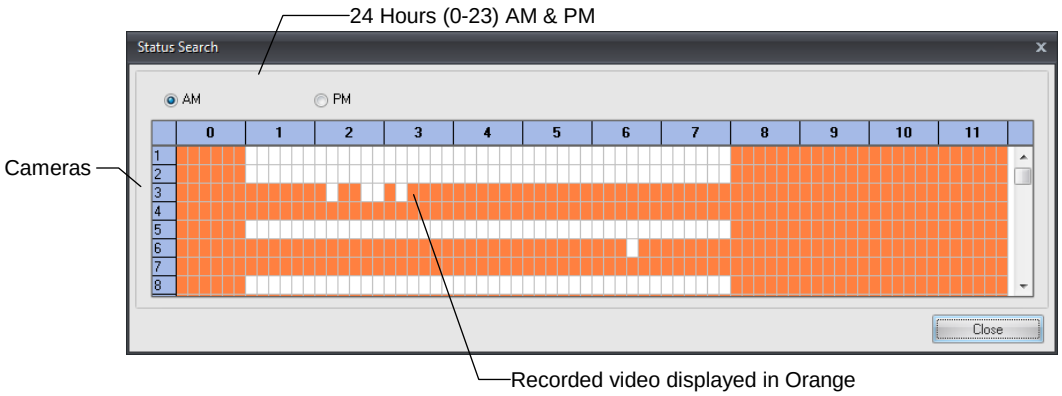
Performing an Index Search

1. Right-click a recorder or camera in the **Server List** and select **Search**.
2. Click the **Calendar** button to select a time and date, and then click **OK**.
3. Click **Index** to open the **Index Search** window.
4. Select one or more camera check boxes, or **Select All**.
5. Select the type of event to search (**Sensor**, **Motion**, **Instant Record**) or select **All Events**.
6. The default search time is a 24 hour period. To specify a search interval, select **Selected Time** and define a **Start Time** and **End Time**.
7. Click **Find**. There may be a delay while results are returned. Results will display on the I**ndex Result** tab. If no results are found, “No Data Received” will appear.
8. Double-click a displayed result to display the associated video.
9. To apply a selected result to the Main Search, click **Close**.



STATUS SEARCH

The Status Search option displays a timeline in graph format. Scroll through multiple cameras and easily locate hours with recorded video.



Performing a Status Search

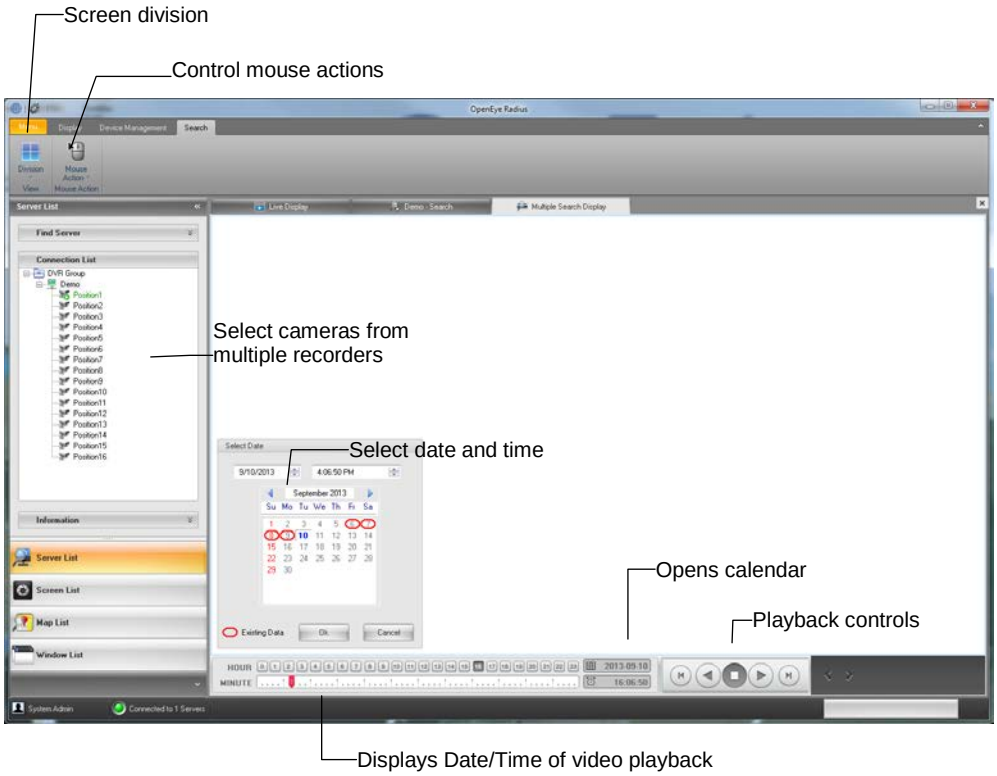
1. Right-click a recorder or camera in the **Server List** and select **Search**.
2. Click the **Calendar** button to select a time and date, and then click **OK**.
3. On the Search tab, click **Status.**
4. Click on an orange recorded video block.
5. After locating the desired video click **Close**.
6. Use the playback controls to play forwards, reverse or frame-by-frame.

DATA SEARCH

See the Data Features chapter for more information on using the Data Search feature.

MULTIPLE SEARCH

The Multiple Search window allows users to search video recorded on multiple recorders simultaneously.



Performing a Multiple Recorder Search

1. Click **Menu**, and then click **PC-DVR Multiple Search**.
2. Click the **Date** button and then select a date and time to search.
3. Drag cameras from any connected professional-grade recorder on the **Server List** to the Multiple Search display.

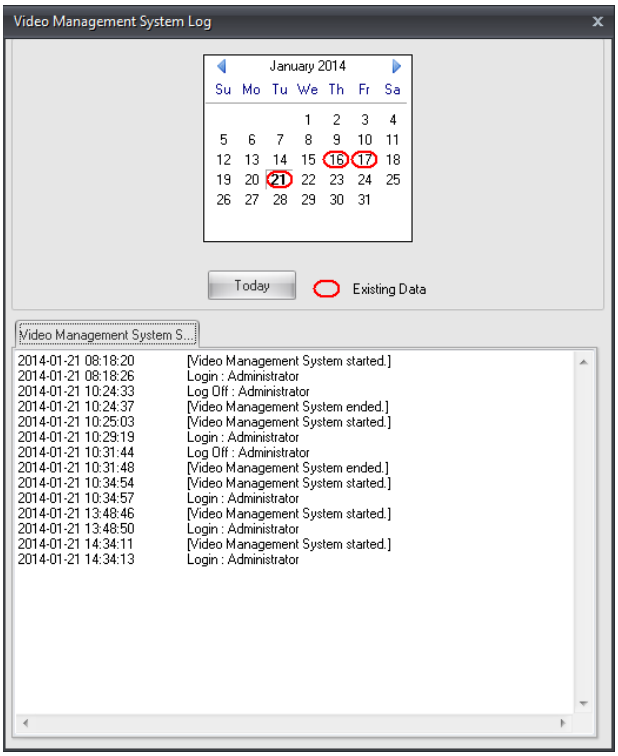
Note Multiple Search is only compatible with OpenEye Professional recorders (X, Xr, N, H-Series).

4. Use the playback controls can be used to play video forward, backward, and frame-by-frame.

LOG FILES

RADIUS SYSTEM LOG

The RADIUS System Log keeps track of when the software is opened closed and which users log in and log out.


Video Management System Log
January 2014
Su Mo Tu We Th Fr Sa
1 2 3 4
5 6 7 8 9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 31
Today
Existing Data
Video Management System S...
2014-01-21 08:18:20 [Video Management System started.]
2014-01-21 08:18:26 Login : Administrator
2014-01-21 10:24:33 Log Off : Administrator
2014-01-21 10:24:37 [Video Management System ended.]
2014-01-21 10:25:03 [Video Management System started.]
2014-01-21 10:29:19 Login : Administrator
2014-01-21 10:31:44 Log Off : Administrator
2014-01-21 10:31:48 [Video Management System ended.]
2014-01-21 10:34:54 [Video Management System started.]
2014-01-21 10:34:57 Login : Administrator
2014-01-21 13:48:46 [Video Management System started.]
2014-01-21 13:48:50 Login : Administrator
2014-01-21 14:34:11 [Video Management System started.]
2014-01-21 14:34:13 Login : Administrator

View the RADIUS Log

1. Click **Menu**, and then click **Log**.
2. Click a date on the calendar to view the log files from that day.

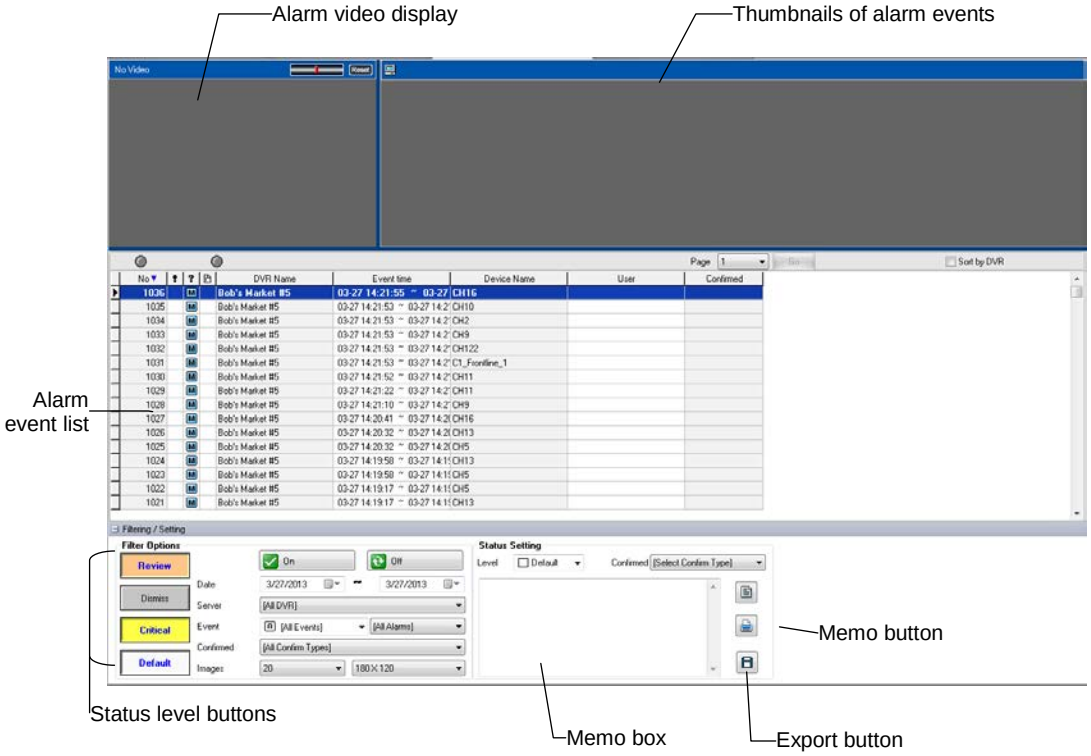
ALARM MONITOR

ALARM MONITOR OVERVIEW

The Alarm Monitor Setup window is used to view emergency alarms from the connected recorders, including Video Signal Loss and Sensor alarms. Use the Filter Options to filter through the different types of alarms. After viewing event video, include a memo for future searches.

By double-clicking an alarm entry, the search window will open with the associated recorder, camera, and time related to the event already selected.

Note If all Alarm Event results are not visible click **Off** to turn the Filter Options off.



Assign Status Settings

1. Click **Menu**, and then click **Alarm Monitor**.
2. Select an Alarm Event from the list.
3. Right-click the event and select a status level: **Default, Review, Dismiss, Critical**.
4. Select a defined Alarm **Confirmed Type** from the list under **Status Setting**.
5. Type a description of the event, and then click **Memo**.

Configuring the Alarm Monitor

1. Click **Menu**, and then click **Settings.**
2. Click **Alarm Monitor**.
3. Select **Use** to enable the Alarm Monitor.

Note The Alarm Monitor uses one port to transfer the data (the Emergency Port). The port can be adjusted inside the Network settings if necessary. It is recommended that the default setting should be used unless the port must be changed.

4. Click **Save and Close**.

Configure your Recorder

For the Alarm Monitor to work, you must have configured your recorder to transmit alarm information to RADIUS. To access your recorder's configuration settings using RADIUS, right-click the recorder in the Server List, and then click **Device Configuration**.

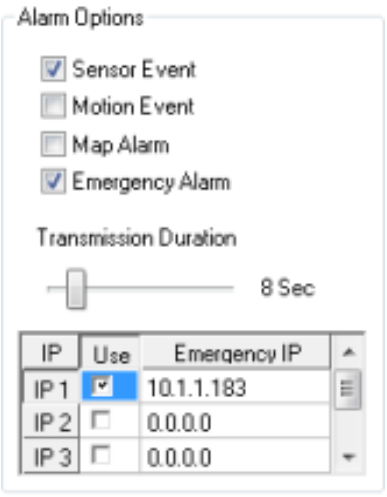
Professional Recorder

For a Professional Recorder, follow these steps:

1. Click **Recording Schedule**.
2. Select the appropriate **Alarm Option**.
3. Set your desired **Transmission Duration**.
4. Type the IP Address of your RADIUS workstation in the **Emergency IP** list.
5. To enable an IP address, select **Use**.

Tip The RADIUS Alarm Monitor displays only events set up as **Emergency Alarms**.

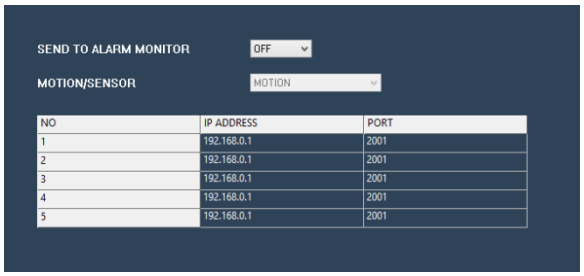
6. Click **Apply**.



E-Series Recorder

For an E-Series Recorder, follow these steps:

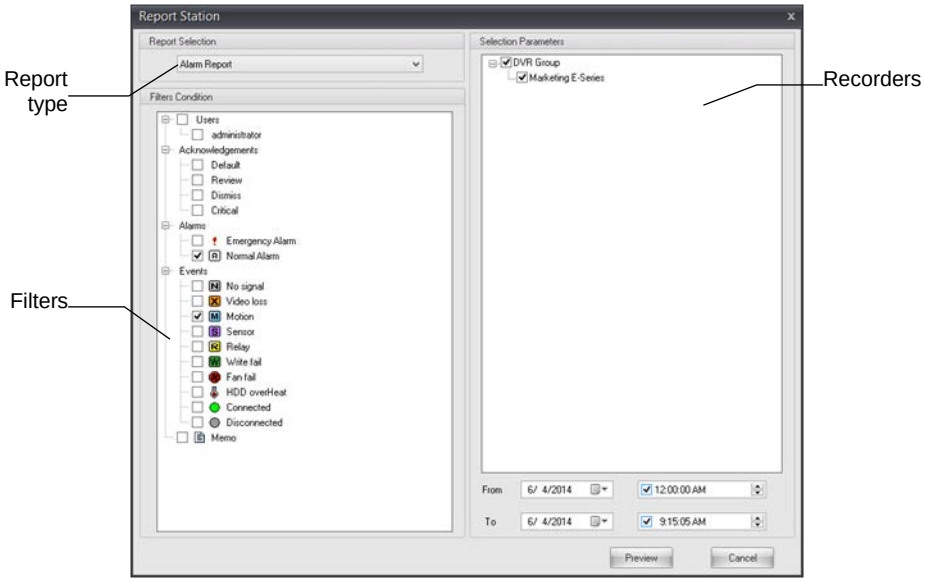
1. Click **Record**, an d then click **Motion / Event Setup**.
2. Click **Alarm Monitor**.
3. Set **Send to Alarm Monitor** to **On**.
4. Click **Save.**



Filter Alarm Events

1. Open the Alarm Monitor display. Click **Menu**, and then click **Alarm Monitor**.
2. Select one or more Status Level buttons in the **Filter Options** section.
3. Select a start and end **Date** to search from.
4. Select a recorder from the **Server** list.
5. Select the type of alarm event or select **All Events**.
6. Select **Normal** or **Emergency Alarm** or select **All Alarms**.
7. Select a **Confirmed** type.
8. Select the number of frames and frame size of the thumbnail results.
9. Click **On** to filter results.

View and Export Alarm Reports



1. Click **Display**, and then click **Report**.
2. Click the **Report Selection** drop down menu and select **Alarm Report**.
3. In the **Selection Parameters** field, select each recorder needed for the report.
4. In the **Filters Condition** field, select the filter name to only show the selected filter items.
5. Set the **From** and **To** date and time.
6. Click **Preview** to show a preview of the report.
7. Click **Export** to select the export file format (**HTML**, **Excel**, **CSV**, or **Text**)
8. Click **Export** to save the Alarm report.
9. Browse for a location to save your file.
10. Type a **File Name**.
11. Click **Save**.

VIEW RECORDED ALARM VIDEO

1. Right-click an event listing and click **Search** to open the video in Search.
2. Use the playback controls to locate the desired video frame.

EXPORT VIDEO

1. Right-click an event listing and click **Search** to open the video in Search.
2. Use the play controls to locate the desired video frame.
3. Click **Save.**
4. Select the **Export Type** – JPG or AVI.

Save JPG:

a) Select JPG, and then click **Next**.
b) Define the location to save the image.
c) Click **Next** to save the image.

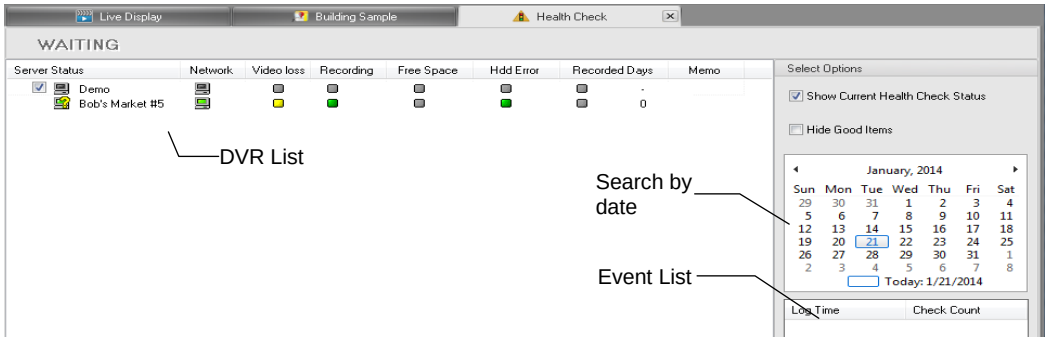
Save AVI

a) Select AVI, and then click **Next.**
b) Select a **CODEC** from the list.
c) Set the length of saved video in the **Time to Save** field.
d) Reduce **Quality** only if necessary to reduce the size of the file.
e) Click **Next**.
f) Define the location to save the video.
g) Click **Next** to save the video file.

HEALTH CHECK

HEALTH CHECK OVERVIEW

The Health Check window is used to view the health of recorders connected to RADIUS.



Health Check Status Icons

DVR Status		Video / Recording / Free Space		Network	
	Healthy		Healthy		Healthy
	Warning		Warning		Failure
	Failure		Failure		
			Disabled		

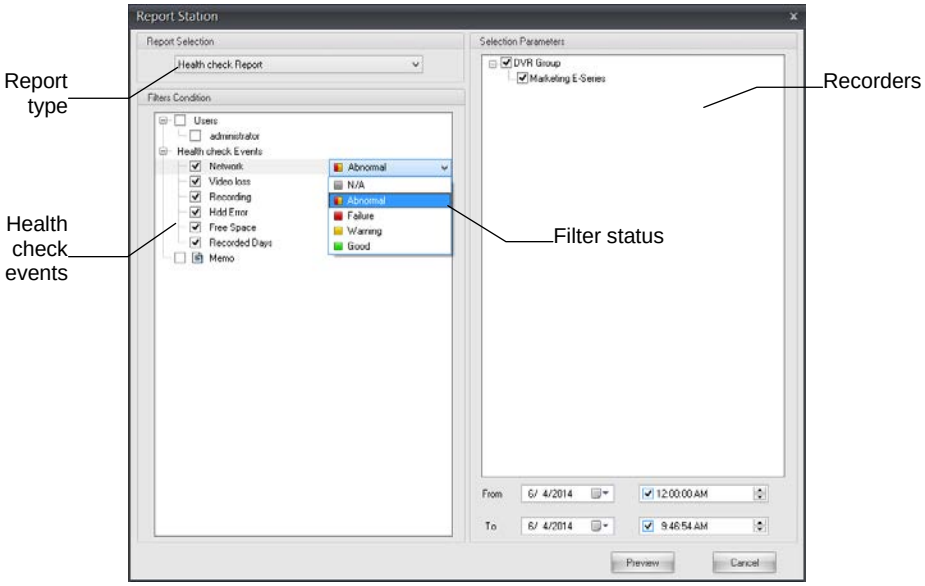
View Health Information

1. Click **Menu**, and then click **Health Check**.
2. Clear the **Show Current Health Check Status** check box.
3. Select your desired date from the **Check List**.
4. Double-click your desired health check event from the **Event List**.

Note Health check events with no failures display a green box next to the date and time; events with one or more failures display a red box. To hide results without failures, select **Hide Good Items**.

5. Double-click the appropriate recorder in the Status window. A detailed information window will open, displaying the health check status for the selected recorder.

View and Export Recorder Health Reports

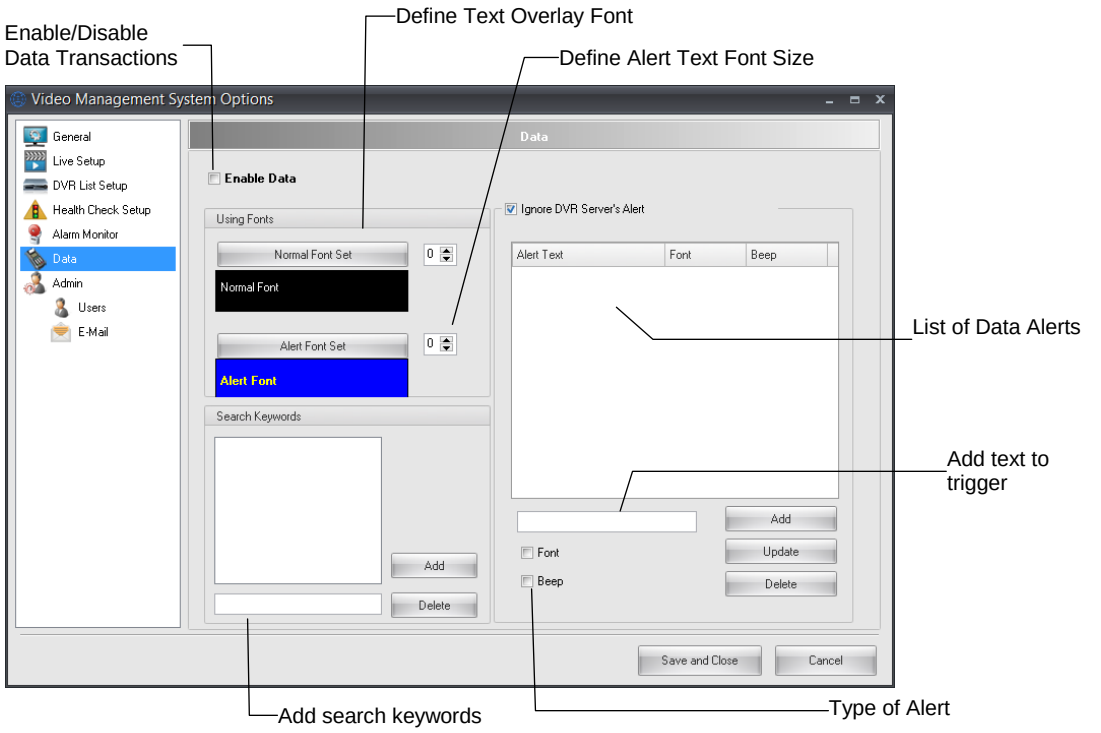


1. Click **Display**, and then click **Report**.
2. Click the **Report Selection** drop down menu and select **Health check Report**.
3. In the **Selection Parameters** field, select each recorder needed for the report.
4. In the **Filters Condition** field, select your desired filter names to only show the selected filter items.
5. For each filter you select, select the status you want to include for that filter (**N/A**, **Abnormal**, **Failure**, **Warning**, or **Good**).
6. Set the **From** and **To** date and time.
7. Click **Preview** to show a preview of the report.
8. Click **Export** to select the export file format (**HTML**, **Excel**, **CSV**, or **Text**)
9. Click **Export** to save the Alarm report.
10. Browse for a location to save your file.
11. Type a **File Name**.
12. Click **Save**.

DATA FEATURES

DATA OPTIONS

Use the Data options to configure the Data search feature to search data recorded on recorders with a POS upgrade



Add Data Search Keywords

1. To access the Data setup menu, click **Settings**, and then click **Data**.
2. Select **Enable Data**.
3. Enter a search keyword.
4. Click the **Add** button in the Search Keywords section. They keyword will be added to the box above and be available in the list of search terms in the **Data Search** window.

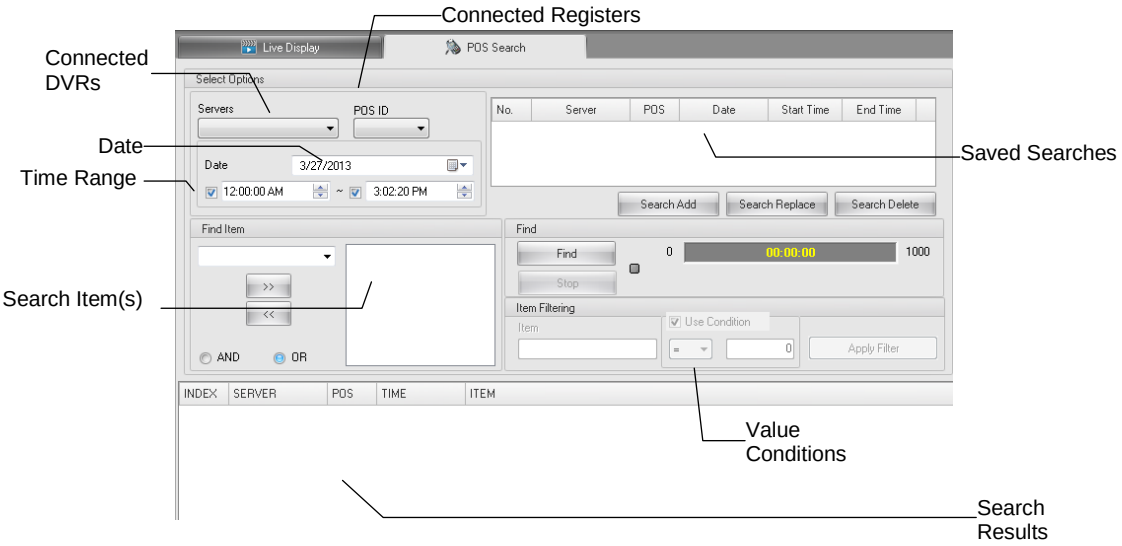
Add Data Alert Text

1. To access the POS setup menu, click **Settings**, and then click **Data**.
2. Select **Enable Data**.
3. Enter text to trigger an alert.
4. Select the **Font** or **Beep** check box to define the type of alert.
5. Click the **Add** button.
6. Select the check box next to the alert text above to enable the alert. Clear the check box to disable the alert.

DATA SEARCH

The Data Search allows users to search video using POS, access control, or other data.

Caution Data index search simultaneously from two separate RADIUS work stations is not recommended.

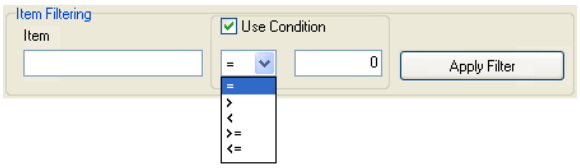


Search POS Data

1. Click **Menu**, and then click **Data Search.**
2. Select a recorder from the **Servers** list.
3. Select a register from the **Data ID** list.
4. Define the **Date** and **Time**.
5. Select a predefined item from the **Find Item** list.
6. Click **>>** to add the item to the Data Search. You can add multiple items to the search list.
7. Select **AND** or **OR** to apply to the item names entered in the search list.
8. Click **Find**.

Filter Data Search Results

Perform a Data Search.



1. Enter an item name in the Item box under **Item Filtering**.
2. To define a value for the item select the **Use Condition** check box, select a value condition and enter the value in the blank box.
3. Click **Apply Filter**.

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